

<211> 520
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047h04d1

<400> 42477

atgcattgaa caaatgaaga attaaacggt acacgcccaa tacttcctga aatataagta 60
 actgatgaaa aacatcgtca gtagaccaag gttatagcac attaacacgg tgactgtaga 120
 acaaacaccc caatgcttta ccaccatcaa agatttcggt gagacaaggc taaccctgtg 180
 gtcacagttt caaagggttt ctggaacatt tatggaagca tctctcttgg acaatgaagt 240
 cacaaaaagg gtactatgca ctacagcata tatatgttta attaacatat cagggactat 300
 aaacacagga gtactatgca ctagagtcac agctacacaa ccactattgc tcaaattttt 360
 agatggagac tacgtctatg gttatgccaa cctaagagcc ttgtcaaact ctgcacactg 420
 catcatttgt ctcttcttaa gtttgctttt tttctgaaga cccccacaa ataaacttgg 480
 ctcatatecc acaaatttta tgacatgttt acagatcatg 520

<210> 42478
 <211> 498
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910047h05d1

<400> 42478

agagcatcgc gttatgttat catttgatga acaaacctct acaaacaagg taacatggag 60
 aatatccata tacagcacag cctatggatc aaatcacatt caaattttaa taaatactaa 120
 aatcaaatat gaccgaccgt ctactgaaac ataggaagca agaatttcca ttcctagggt 180
 ggttctctat tataaatata cacatctatg ctaggtatgt cggtcatcta aataacaggc 240
 cggtctttta agtgtccgca tcataatcat tgcaagctcc cttccattta actcttggtg 300
 ttacgactat gtgaaaccgg aggaatcttt gagatgatca aagagctctg caatccttct 360
 aatagtcttg atgttggtg gatcctgcga ttggatctcc ggggctcaac catgtcggat 420
 gctgatttca tgggattgtc gattaaagcc ttttcatcta aacttacctg attaacacgt 480
 gcaggcgcaa ggttcctt 498

<210> 42479
<211> 473
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047h07d1

<400> 42479

cctggaaata caaaaagtta aaacaagtca ttacaataac tttttcgtcc caaaatagcc 60
ataactttgt tgactaccaa taaatcacc tttactagaa attacaacaa aatacattca 120
ttttcaatcc taccactagc actttttttt ccttgatgtg caacagtgt tctcttatct 180
tcctttttaca cctttttttca agaccttata taccaaggca ttcttcctta tataccagcc 240
aatttcccca acctatctct caaaatcttc agcccatgt acctgcccac catcatgaca 300
gttgcttgag gatttggtcc aggtgattca tcaaatgttg agccatctac cagcgggagt 360
ctgtcaacac caagaacctt gtaatcagg ctgactacct ttcccaaag gcacctcca 420
tggtagtgcc aaattgtgat cacggtgtct ttgcagactg cgctatcgac gct 473

<210> 42480
<211> 309
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910047h12d1

<400> 42480

caacttgaaa accaactaac atgtgtatgt catgtgtcaa acatgcaata catttcaaaa 60
atcacacaac taccatttca ctcccacgaa gaaaacaagg cacacgcaac acaactagac 120
agaaatttcc aaacccaaaac caagaccaag gattttaaagc tattttccta acaattccca 180
ctaaaacatt cccattggct agccaactga aacagggtct gggatgaaaa accatccttt 240
agtgactag cagcagaatt ttttaaattc cccatttttt cacgcattcc tatacctttt 300
tttccatcc 309

<210> 42481
<211> 391
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910048a02d1

<400> 42481

gatataaaca catccaacat tgatcccatt tttattcaat accggggcag atggcattaa 60
 attgacacca aacttattaa ttactatacg ccaactttca ctaccgacct aatttactat 120
 gcttcctaaa cactatataa catcactttt ttttacatga aacatattca agcggtacca 180
 ccgttttttt ttaaacccaa agtacagggt ttgtataatc tattctgagg aaccgttcct 240
 atgtgcccag aggattgttg tgagaataat tacggacgca tcccatcaca ttgcaaagt 300
 cccgcctgca caccgaacta ataggaacta ttctattatt tcggatcaca atctgatagc 360
 atgggattta agagtcttac cagtcactgg c 391

<210> 42482

<211> 484

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910048a04d1

<400> 42482

aaaacaagta aaaaaaattg caataatgtt aatattggaa gaggttaatc aagaaataag 60
 gaaacagaca tgtctccatc tctaaattga tcttgatcac tagccattac catattggta 120
 aagttctttc atacaattac aaacaaagaa aagaaaaact tagggatatgt ttgcttctct 180
 tctcagtttt tattttttta ttttaacaaac tgtgttttga aacaattcta cttaacctat 240
 caatcaattt atcatctaaa gtcacttaag ctttgacact tattttccaa attccatacc 300
 aaatgtttta aaaactaaaa aacagaaaca gacaggagat gcttctttcc cttttcattt 360
 ctcaatggca agcagatgga gagaaaagaa ctagcatgaa ttcacatcaa atgcagagag 420
 aacgcagaga aggaacatcc aaatggagct cagtgaagct cgtcgcagac ttgcagataa 480
 gcac 484

<210> 42483

<211> 329

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910048a05d1

<400> 42483

aaaaaaaaatg gaaggggggta ttgatttaac aaaacttatt tttagtaaaa aacatgcaat 60
 ttattttggc cacaaaaata cctagttcga actgtaaata tccataatac aagcctgtaa 120
 agtaaaaaaa ttgatcaaac aagttcatac tttgaagcta gagagtcaaa ccagccattt 180
 cccaagcaa taacttaagg gaatctagct tctcctggtt cttttctcga atatttggca 240
 aaaccttttt tttataacct ttagcattca taatcttctc taggctttct atttgctttt 300
 tcagctcatc tatcttcttg atcttcccc 329

<210> 42484

<211> 415

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910048a06d1

<400> 42484

agtgaaaaac tctttatttt gttattatta aattaatata aatgggaggg acgaagccac 60
 tgatgtggca gccacactga aggcattgga aagttcccat gccatgttcg aaataccaag 120
 gccaatgtgt tcacaaaaag aaaggatagg tcacgtaaag ggtctagtgt tacataaata 180
 ttgaggaaaa ggacacggtt ccaaagtcct aacattgctg tccagcatct tcccgatggg 240
 caggtcctag aaaagaggta agcttggagg gaaacgcaca tgcattccatt gtctctcata 300
 tgcagccaaa tgtgtccatc caatctcatc aagcaaagag agcttaaggt catagaattt 360
 cttcttggca ggctctgcgt catcttgaat tatgtcacia cagtaccttt aacgc 415

<210> 42485

<211> 537

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910048a07d1

<400> 42485

aaaaaataaa ttaattacta aataaataat gtataaggga atgaacttta tgcttattac 60
 ataaattatt ctatgaaaaa aataattact aaatgttatt gttaatatcc ctcccctacg 120
 cgggtacaaa aaattccaat aaggtagtca gatttatata tacagaaaag aatcagctac 180

tctctatcca tcatcaggca ccaccaaggt tgttcaaaaa tcacaaactg caacgcaatc 240
 ttgacctcaa tgcgatctca actgcaataa tcttgaaacc ttagttgtac taaggtaact 300
 ttaaataatag tgctccaatt tgattagcat gacacttgta tcatccaaag agcctcgtga 360
 aacagacaaa tctacaagct ttttacaagc ctgcagcaat ggttgtgatt tgttgttgcc 420
 tacgagaaaa gaacgagcaa tatctactgc ttctgatta ccaaccttat ccataatcc 480
 atctgaagct aaaattaaca agtcatgttc aggttcaatt cggagaaaact tgggtctc 537

<210> 42486
 <211> 454
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910048a09d1

<400> 42486

agtaatgtat gaatccattg ggagcaaadc cacaaagtca ggggctacat aaattgggag 60
 aaatggaata aaacaatata aaaatagcag ggtatttgta gttcgagaca taaccataga 120
 caatattaag ttaatcgcaa gaatacaatt cgtaaacagt cattaaaaag tatcatcaag 180
 tacctaagca ctttctcatt gaatctgaag ctgaaactaa gcacttgctt cgcattgtctg 240
 catatttctt tacaacaagc tcctataaca attaaaacag atgcctagat tgtactgggt 300
 tggaaagcat atgatttgcc ggatgttgca aagagaacca taaggaagag ttaaagtaga 360
 cacgggcaga tttttacttt catgaaagct tcaacttcag ctttatggct tgtgaacttt 420
 gaacccaaaa actcttgga catagccttg tgct 454

<210> 42487
 <211> 572
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910048a10d1

<400> 42487

agacttgatg aatattctat catatagata cacggggggg aaacaaaatg tataactcaa 60
 cactgaacta caaaataata tacatacgca aaaatgccaa atactgatca aagacaaaat 120
 gtatcaaac taataaacag ctgaacaagg caaaacaaac acacccttaa aaaggcatct 180

09531113.032200

ttcatttttt ttcataact aaatgtataa ctcaacactg aactacaaaa taatatacat 240
ctaaatatac aagccccaca gggatacaga gtaagacgaa tggcgctaac tctcaacggt 300
agcttttttt ccagcaagga tgatagagat ttcaagacca cggctgaagg cttgattgaa 360
gagaaggcga gattggaaag tcgaaatgaa tggaaaccac gataaaaatg ctattggtgc 420
aaaaatgatc ataccattc cagcatcgta cattctagca aactcacgaa cagaatccca 480
catgccgaga ctccaaacta tcttcttcca tgcaattgcc aaggataata ttcccatcc 540
agtanggata aatgcaagga tgcttgcaaa ta 572

<210> 42488
<211> 403
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910048a12d1

<400> 42488

ggggggggga aacaaccccc ggggaaaaaa ccccccccc cccctttttg ggggtttccc 60
ccacaaaacc cccccaaaa acccccttg ggggggggcc cccccccaa aacccttttg 120
gggggctttt ttttggggga caaaaccccc cccctcccc aaaaaaaaaa aacccttta 180
aaaaatccgc accccctta aattttgggc cccccaaaa aacccttg ggaattggaa 240
aaacttttaa aaaccctta aaactcccc ggacttttta agcccaaccc ccaaagggcc 300
gggaacaccc cccaatttt gggaaaaaca aaccctccc ccaggggggc cccccctcc 360
caaagtgttg gcctaaatg aaaaaccccc ctttccccccc ccc 403

<210> 42489
<211> 510
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910048b02d1

<400> 42489

gcatcaaggc aagaaataat attaataata gtggtagtaa tagtaatgga ctttcaatta 60
aattacatta tattacagca tggcaaatca attaaaatat acagcttatt ttccatagtg 120
ttaaatggtg tgtgaaaaat tccaacgcgt aattagtatc tagaatttgt ttttgattga 180

tgatacattt tcacaaactt ttctactcct tacttccagg gttttttag tagtaatttt 240
 ttagccggga aactgcacaa aattgcaaaa gatcactaga ggactatga catttaaaat 300
 gacatgtcca tggcatcatg gtctggggtc ttgtgaccaa aaccagattc ctcacttgg 360
 cgtcttttaa ccacacttgc tctttgcact aaccgaacca atgcttgac cacctcagac 420
 atcggaggtc gaaattcggg ttccggctga acacagagg caatgatatc agcaaagcgt 480
 gacagtgact ttgcaggata catgccgttc 510

<210> 42490
 <211> 333
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910048b05d1
 <400> 42490

atggagaatg agaagtttct atacaaataa caagacaatc ggggttacgt gacaagttat 60
 gggataattc acaccttctc actggccact ctgatcactt cactagaaga aatgatatat 120
 tttcaagcac caactgtgtt agaaactaca actatcaggt taaagcctag aaattatttc 180
 cataaatatc ttgaacatct tgcttacata ccaaacgaca cccacacctc actattccca 240
 atgattggca acaataactt ttttgtacaa attcaacttc actgccatca ccacctcat 300
 aaatcatgtc acggtattta tcaatggaca aat 333

<210> 42491
 <211> 575
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910048b08d1
 <400> 42491

atctgaatac aaagtacatg gttaattgga ggactggcat cacttggaat gtattacagt 60
 tttatacaaa gtagaataag agaaacagat actacaactg aatcagggtc ttgaaacaat 120
 aagtaacaag aaggaaccac ccaataagaa tggaagtga gaagaaccaa aactttagga 180
 aggtgaagcc cccgaataag actccaagaa aaaatataac cacaatgggt aagatagacc 240
 gaagcataga tgttttgctg acccaacgtc cattgaataa aacgaaaatt gccagattca 300

09531113.032200

ccacattcca tccgccagac agaaaaccca acctgttcaa attattggca acatacgagt 360
ggcagttgca ggtaaagaga ttgtaagata aatgttggaa ttcttgagtg ctttttctta 420
gtgcatcatc ccaagtcctc aaatctcctt tagtttcac ctagaatgtag tgttcctcac 480
cattgtacac agactggact aaagggacgc aacacttttc tttgggaata tgaaatagcg 540
gggggagctc caaatgcaaa ttgccacaca cacia 575

<210> 42492
<211> 365
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910048b10d1

<400> 42492

aaaaaaatgg gactcaatcc tccttaataa ccctgggggg ggaaataaaa aaaaacccgg 60
ggtttatttt ccctcctaaa caaaaataact tttttgttca agagctcccc aaaaagaaaa 120
accccaatth aactcccaaa aagcaaattc cttttaaata ctttgacaaa ctagcccccc 180
cacacacaaa tcctgaaaaa tttatattht gggtggatac atgaatactt taacccttgc 240
ccccattgac ctagggggga aattggactt gaacttttct tgaactatac cactgttacc 300
atgaggcccg gggacctthc cccaaatgcc gcgatagggg gttccggtct tttttaccct 360
ccctt 365

<210> 42493
<211> 494
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910048b12d1

<400> 42493

gaaaacacac ctttttttat tttggaaaaa gaaaaaaaac gaaagcatat tcagcaggca 60
ccccgaatca gcaaattacc ctcgccgatc ctttttattt acacataata ataattacca 120
gtagtaacgt gacccaacaa acttagcatc atattcatgc accatcgatc acgcaacgag 180
gagagaaaaga gaagtaggth taacagcatc accggaggcg cagaagtcgc cggagattgt 240
tggttgctcc gtcatcaacg ccaccagcg cggtttcggc gttgcaaccg agtttggatc 300

002250" ETTES60

tcaaagagaa ctttggcagc ggcaaactac tgggtggcgg agccagattg aaaaccgccc 360
ccgaaacgac gtcgtggtgg ttgtttccca tccctagcac cactttggga aggtctttgg 420
gatcagggtcc ccagcgggta tcagattgtg tcaccgatct cttcttcgct tcctctcgct 480
tcgttggttt cgat 494

<210> 42494
<211> 548
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910048c03d1

<400> 42494

gatcatctcc atgatatcca ggcacaagag gcacacctgc aggggccatg tattctcttg 60
gatgcactct tgtcacccat atctcgaata gcagacgcag gaggccctat aaacgtgaga 120
ccactgtcct cacaaagctt ggcgaagtca gcactctccg acaagaatcc atatccaggg 180
tgaatagcct gcgcgccgga gcgaatggcg gcgtcgacga tggaggctcc gttcaagtaa 240
ctgagccgcg ccggtggcgg tccgattcgg atggccttgt cggcggacgc aacgtggagc 300
gagtccttgt cggcgctcgt gtaaaccggcg acggtttgaa tgccgagcct ccgggcgggtc 360
ctcgtgatcc tgcaagcgat ttcaccgcgg ttggctacta gaatcttctc gatgcggtgt 420
ctgggtgctgc tcttcactc agagaaggct cgtgtactca cgtgcgagtg ggagagcgtg 480
gttctgcgga gcaacgcca gaaagccatg gaggttgggt cgaaatggaa aggatgacag 540
attgagaa 548

<210> 42495
<211> 550
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910048c04d1

<400> 42495

cacaaaacca ataagtatta tcatcatttt attcagcctt taggctgggt caggtaaaat 60
gtaagcttag ttcactacaa actggaaaaa aaaggcagct ataaattagt taaataacat 120
aaagaaatat agaagccaat aaggcaataa ccttcactcc tacaagagtc ctcaagttca 180

0953113-032200

ggagcttttaa ccagatctaa ctgacttcca gagcttgacc cactcttcca tggcttgagc 240
agcctctgaa aacataggat caaccttccc caggtgctcc ttcactgttt tggccacctc 300
gaccacgcaa gcctctgctg tagttgctga ttgtggcaac cttaatgact gaaagaaagg 360
aacaacatcc tccatcaatt tcaccccttc ccactcttcc ttcaagctct gtattgcac 420
acccctttct gttctccaaa cataaggtaa cccactttta caccaaggcc taggtgatca 480
catataactg tcacacacat tccacaccat atatcttcca tagtttccca ccttaatttc 540
cctttccctg 550

<210> 42496
<211> 535
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910048c05d1

<400> 42496

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aaatataaaa attaaaaaaaa tgatcaagaa aaaatattaa aaaaaataa ctatctaaaa 120
tttaaacagg caccgcgtcc tagttccgct tttctacatt cacaatggca cgagtatatt 180
gaggtaaaag ccccaaaaga atgtgctata tataaactct agtaaattgt aactgaccct 240
aaggaatatt gttcatacca cgcgcaaaat gacaaaattc agggcactac aaaaccacaa 300
caccaggaaa caaacaacca gtccataaaa tctcttcgtg gcaccttgag aagacctcag 360
atagaaatcc cagaagctgg aaccaactgt cttgatggga cctagtgatg tggcgcaagc 420
acagagacaa aattttgatt ttcacaccac cccaaccaat tgcttttagg ctgacggggc 480
tccttcatta ttcgtacccc actcttcgtc agcctcgta ccattaacga gtact 535

<210> 42497
<211> 536
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910048c07d1

<400> 42497

atactctcat tccaaatctt tgaatttatg agttgccagg agacatgaat tgtaaagcaa 60

caagaacaag gacaagagag gaaggtgtaa gaagtaagaa caatgagaga gacattacaa 120
ccacatccca cattagtatt aattatttct taggagcaag cctagactta attttctcaa 180
cctccttggg acccacctgg aacgccttgg ttaacacatt gtctggaacc ggtggcgtcg 240
ctgcaaacaa cgtagagca atggactgtg tgccaggcaa ttgactgttg aatgctgcaa 300
tcaactgaagc ttgttccttt ccattgttct tttggaagtg aaccaaccct tttgggaaca 360
caaatatctc acccttgctt atgctctttg atatgagcac gttggctgtg gttataaccc 420
acatctagtg ttcttcaagc acaacactac ctcggtggca cgtgggtgcg tgtgaggtgg 480
gttgatgcca cctggggcat agtcaatgcg tgataaagac acgccagggt gttgag 536

<210> 42498
<211> 526
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910048c08d1
<400> 42498

gtgcaacaat gatcatttcc attattctag tgtttttatt aagacaatga tgaagacaat 60
ctttgagttc acggtatgct agtgttttta aatacatgga cattgcagta ttttgcttgt 120
agatgaatgt tgcaccattt gattagtggg tctccaaact gcagcctttg ttctgtttg 180
cctgtccact cacttcagtc ccctttgttc ttgattatgt ttttcaattt ctcatattgca 240
gccactagtt cagcagttat gcctgggttca ttggctgaat gccctgcatc aggaaccacc 300
ctaaaatctg cctctggcca agctttatga agatcccagg ctgacatcat aggacagcaa 360
acatcatatc ttccctgaac gattgtgggtg tttatatgcc ttattttatc aattctgtcc 420
aacaggaatg aatcagaggg gaagaatccc ttgtttacaa aatagtgggt tttaatcctt 480
gcaaattgcca gcgaaaagta atcgatcatc ctttttttat attctc 526

<210> 42499
<211> 536
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmro02910048c09d1

<400> 42499

aaaattgaat tgatgggtaa aactaccca attcgaagct tggccaatca agatccaaat 60
 catgcaacaa caaaaaaaaa agcaactttt tttttccttc tctttctctc ctcttatcga 120
 aagcttaatc acaaaactaa aatcacggac attatttata aaactcaagt gcgacaaact 180
 ccaaattgaga aagaaaaaag cgggttcctc catttcttta tccaactctt tctctcagt 240
 ttactcagca gcaaggggca cagactcagc caatttgagg tacttgagag catagaacat 300
 ctcgagatag cggcggtctt cagggcggtc aagggttagac acatgcttcc agaagccata 360
 gacaccggtg agagtgagaa gcctctgaga gtaaatttgc catgtgtact tctcttcaat 420
 acgctggaga ccagcctttg agatcttgtc ccagttagtt gggcgaagct tgcacttctc 480
 aaagaagtca acanggagat cagcagcacg gtcacccatg taagggtcaa tgtgga 536

<210> 42500
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910048c10d1

<400> 42500

gacaaatcaa ccaaacggat cctttattga gccgagacta agtaacatgt aaacaagcct 60
 tgcctataac aaccgggta accctgtgtt caaaaggcat gaattagtaa gcattttttt 120
 taccacaaca aaaatgcgcc aaatgaaacg ggcaaaaaat atcaaaactt tggcgctcgtt 180
 aatttcacac ggccaaaaat aaatatcttg ctgtttttta ccaactaaagc aaccaacttc 240
 agcaaagggc gaaaaaaatc cgctacaaaa ctttttcatt agaaacctcc atcctaagaa 300
 actatttaga acttcagaac tatgttggca aaatcctgct agccactatg cagttttcac 360
 ttttcgagag ggaggccgcc gaaatagact gattagatca tcaagacccc tagtggtgat 420
 gaccaagaaa ctgaagagca caatcaaata cgatcccagc actagaagc 469

<210> 42501
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910048d04d1

002250"ETTES60

<400> 42501
aacattaaaa agttataaaa tgcggcacag taaaccttgg gactgagcac tataacctcaa 60
cttcctaatt agtttttctt ttcttttttt caciaagggc tccctaatat ttagtctaga 120
taatcaggta ccaattccat ttcttttacag ccaagaaagg ataagctggg gggattgaat 180
taagcagcat tacttcaaac cagtgaagaa agcaacctat gcaagaggct tgagtttcaa 240
tcggagcaaa tgaaatccat agggagcacc tcagtatcac aaacccaaaa cttagtaaca 300
tcttttaata caagtataca acagcgatcc cccaacataa ttccaaaatg ttcttgaaaa 360
caaaggaaac aagtctctcg ctcatccct cgccttttc tcttttctgg aatgtgaact 420
gtcttttctca ttgctataac gagaggatct atttggagat tcatgttttc tgtgc 475

<210> 42502
<211> 323
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910048d05d1

<400> 42502
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tttactggca attcatcccc aacaattggt acagccccgc ttgttgcaat tttaacagtt 120
aatgggagtt tccccttatt taaaccaacc caaccctcca tatgtaatat tctttccatg 180
gcccttaaca tttttttggt gccccaatgt tcaaccccag ctccattttt tgaattctct 240
ttgaaaaccc tcaacttaaa attttttttc tccacatta aaaggataac aaacaaactt 300
ttcccatggt cctccccccc ccc 323

<210> 42503
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910048d06d1

<400> 42503
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gctccagtca gattttgaac taggcagatg actaatatga aaccaatatt cccaatatat 120

atagcactca tttagtagac agtaatacaa ccaggagaag tgggtgtccca tgggtgaggat 180
 ttcagacaac agaaagctaa aagcacaaag aaagtaattc taagaaaccc tccattggca 240
 actaaaacta gaatcgggtat tcaatcagtc cccacttgca caacccttgc acccacagt 300
 aacacactct atgaccttct cctccctaag ttgcttgga actctgcaaa cacaagtgg 360
 ggcaaaattg tgatcacgtg gctgcatgca cctcaggcag caaagacgtt cataaccagg 420
 cttcttccat tttgcaatta gattgcggtc agcatatcct tgatctaaac agaattcata 480
 cangtcttta gaaatttct 500

<210> 42504
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910048d07d1
 <400> 42504

gggaaggaca agccccaaca aatcaacccc cgcttaaaaa ttaaaatccc aatactagtt 60
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 cataaatttt tttttttaca agttcagcat gaacttttat gccccttgt aaatatgact 180
 ggttatccac tgcgcaaggc aaactgtaaa aaaatacaat tattctttcc aagttttcaa 240
 cagttttaat ttttaaaacc aaagtccata gttccacatt gtattgagat gatatactac 300
 gatttttaaa aacaagaaaa tgctcccccc cctattgaag atttcaaatt ttaaaatgtg 360
 ttcaattgag aaaagaattt cccattggaa ttgccactcc acacaatctt taaaatcaaa 420
 act 423

<210> 42505
 <211> 592
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910048d08d1
 <400> 42505

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aaatctactc tgacatagtt. tataattaca ggcaaagaat aaggtgccac cacctattgc 180
 atcaacttgt cacacgagta acaaacaagc atgagcatac ttaaaaatgg atggcacttc 240
 ctattccgcg attttaaaga ttgatcactc aacctcaacc ctctgaatga gcaattgtct 300
 ttggttgtgt tacactttgc caaggtaaata aggtgatggc ttgccaaata aggtatacta 360
 cgaaggcaac atatgcagca gttattacac ccactacagt gccaatcatt ggtccattca 420
 cttcagagga aaagaattcc gtcaaaagat agccattaat cactatcacc agagcagcca 480
 cgagccatga agtagtcttg aggacagcac caattctgaa agtgcccatt atctgctcct 540
 ttgacaccag acaaagcaag ggaataagtg caaaggggat ctggactgac tg 592

<210> 42506
 <211> 522
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910048d09d1
 <400> 42506

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 cgtcatagta aaataacaca gctccaacac aagccaatct ttctgtccag aatgtgccaa 120
 aagttcagca aaacaaacag cattggagga aaagcctaata ttaggagtct cgaaatccta 180
 gattaaaata cgtctctacc aacaaactac aacagcagaa ggaaagctcg aaataaacat 240
 ataaaatatt actttcttga tctcaaagtc atgcttcgct gctattctct gcttcttcaa 300
 gcatttgcac aacctgtgca accccttctt caatttcctt ccggatgact ccatcaggca 360
 tatcaaatgt ccttcttttg aaggaggaga gtgatgctga tctttcacca ggctggggat 420
 ctaccacatc aagcattgct ttcagctcat ccaccattga ccctttgcag aacttaccat 480
 aatatcagct ccctcaatgg catcaaccag taggagcaag ac 522

<210> 42507
 <211> 461
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910048d10d1
 <400> 42507

0053113-032200

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 taattccccc cctcaaaat tacagaatga agccattggc aatggctcta ttggtattga 120
 aatgggtagt ttcatacaca ggcaactctt ccctatacct ttcaatccca attgctgata 180
 gattatccaa ctcaaaaaga tcagaacttg aacaactagc cacatcatca tcattcttctt 240
 cttcttcttc atcttcataa tgcattgacat catcaaactc cacttcactc tttttctgat 300
 aattcttcaa caagtctctt gctaactcct ccaccctgcg actctcctgc atgacatgca 360
 gcctaagttc ctcacttctg ttctttccat tgctctcttc accttcatga agatttttgt 420
 gaccacaagg cctacaatct tcattccacta tgacactcac t 461

<210> 42508
 <211> 580
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910048d11d1
 <400> 42508

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 cctcccccaa aaaaccaaga catgaagttg tagcaatacc agggcaaggc tcattctcact 180
 tatcgagcca ggttctaacc ccccaaaacc aacgtctaac attggaaaca cacacacaca 240
 cacacacaca cacacaaact gacaaaagcg tcgacgcgtg cttcttccaa aaaaaataaa 300
 aatgacatgc atggtaaata cgaggcacia attaatgcgc acattacatt gcatacctag 360
 gacgacgaga tcatatggga ttgatctaaa tcataaccg tccatggctg gaaaccatta 420
 catgtgtgtg acgtggagat tagttagaga aaacacaatt accttggtga tcgaatcatg 480
 taattatttc tcctgaaact tattacaaga acaaaacaaa gcanagatgt atgggaatag 540
 atagattgaa tggatgtgaa agaaatgaat ttaagtgaga 580

<210> 42509
 <211> 490
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910048e04d1

<400> 42509

gcaaaacaca atatttatca tgggggattg ggggtcaataa tatataaagc tacatccaca 60
 tcccttgcca aaatcaacat attttcttct aattttgacg gctctatata aagattagct 120
 aagaggagtt tagcatgacg tgttacaata tttattacat caaattttcc tctacgaga 180
 gtctcttgag gcacttcata agtgtatctg tttgttcagg cttcccaaca gtcacacgaa 240
 cgtacccttt cagctctttt ttgtcatagt gacgaatcat cacaccatt tgtgctaggt 300
 cctccttttag cttctttgca tcctttcctg atgtaacctc acaaagaatg aagttagaat 360
 ggcttggaag tggccggagg aatggaaactt ctttcaaaag gtcataaagt ctccctcttt 420
 ctttcaacaa agcatttttt acattctcta gataggtagg attttgcaat gctgcacatg 480
 cagaaatttc 490

<210> 42510

<211> 501

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910048e07d1

<400> 42510

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 caaggtatac atcaacatat ttaaattaat aataatgagt aaaaaaaaaa acttcgtacc 120
 ccattgccca gaggtctttt gctatgcgaa ggtatggggg agggataatg tacgcagtct 180
 tacccttgca tatgcaaaga ggctgtttcc gaattcgaac ccatgaccaa caagtcacca 240
 aggcaaacct ttaccgctgc accagggtc gccctcattt aaattaataa taatgagtca 300
 gcaaaccaaa attactcgaa gcacgaaatt gacaagggtg tagaattcat gtcttaaaga 360
 agattttctta atttaacatt ataactctac aggtaagaag ccatgttgag ctcaatttct 420
 tctttggcct tgatgtcaaa tggttcctca ccaaaatata aatctagaat tgacttacat 480
 aggagtttac tctggatgct t 501

<210> 42511

<211> 501

<212> DNA

002250" ETTES0

<213> Glycine max

<223> Clone ID: jC-gmro02910048e08d1

<400> 42511

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cttcagtctg tctgataagg aaataaaacc aatacaatag gccaaaactg caagaattgc 120
cccacagaca accctatatt ctcacgcaat atggtaagaa aaaacaattg aggaatagaa 180
cgagaagctc ccacgccaca attccctaac cttctctttt ggactcaatc gcactattaa 240
cactcataat atacacattc tagagaaagt tccctttcca atcacaattg actctgcatt 300
ctcaaaactg atatagaaca ccatgcaaga atgaatgatg gaaaccatct tatggcaaaa 360
agaatgggta caaatataga gaccaccaa ctggaaaaag cttgttccca aaaagagcaa 420
gacaccaact gccaaagccag atgctatgaa gaaatgatgg atatgcagca aagcaatgac 480
aactatgtag aaaggataga t 501

<210> 42512

<211> 421

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910048e09d1

<400> 42512

aaaattgaat ttttgggttaa aactaccca attcgaagct tttccaatca atatccaaat 60
catgcaacaa caaaaaaaaa agcaactttt ttttcccttc tctttctctc ctcttatcga 120
aagcttaatc acaaaactaa aatcacggac attatattata aaactcaagt gcgacaaact 180
ccaaatgaga aagaaaaaag cgggttcctc catttcttta tccaactctt taccctcagt 240
ttactcagca gcaaggggca cagactcagc caatttgagg tacttgagag catataacat 300
cttgagatag cggcggtctc cacggcggtc aagggttagac acatgcttcc agaaaccata 360
gacaccctg agagtgagaa gcctctgaga gtaaatttgc catgtgtact tttttttaat 420
a 421

<210> 42513

<211> 497

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910048e10d1

<400> 42513

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 cacttataga aaatggtaca catataataa tctaaaaacc tagagaacgt agatttgact 120
 aaaaataatc cgaatctcag ggaccataat tcaccatta ccaatttttc cagcagaatt 180
 tcagcatcaa ctctcaccca caactatfff tccaagcaca attcaaatag ttatgcaaaa 240
 tgtagagacc agacaaaatt aacaaaaatt aagcagagcc tgtgttctct gggttgtagc 300
 tctccattgg ttcagcagat gctgggtggcg gggctggatt agcattgtcc ccagcatttt 360
 cattagtact ggcattagga ttctcctgag gtggttggtg ctgctgctca ccacctgag 420
 gaggtggggt tgctgggtgct tctgggtgtag ctggcttggg tggcaatggc tttgggttcg 480
 tataattggc ttacaaa 497

<210> 42514

<211> 531

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910048e11d1

<400> 42514

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 catgcaacaa caaaaaaaaaa agcagctttt tttttccttc tctttctctc ctcttatcga 120
 aagcttaatc acaaaactat aatcacggac attatftata aaactcaagt gcgacaaact 180
 ccaaatgaga aagaaaaaag ccggttcctc cattttcttta tccaactctt tctcctgagt 240
 ttactcagca gcaaggggca cagactcagc caatttgagg ggcttgagag catagaacat 300
 ctcgagatag cggcggtctc cacggcggtc aaggtagac acatgcttcc agaagccata 360
 gacaccggtg agagtgagaa gcctctgaga gtaaatttgc catgtgtact tctctttaat 420
 acgctggaga ccagcctttg agatcttgtc ccagtgaagt gggcaagct tgcacttctc 480
 aaagaagtca acaaggagat cagccacacg gtcaccatgg ttaggggtcaa t 531

<210> 42515

<211> 551
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910048e12d1

<400> 42515

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 cacttataga aaatggtaca catataataa tctaaaaacc tagagaacgt agatttgact 120
 aaaaataatc cgaatctcag ggaccataat tcaccatta ccaatttttc cagcagaatt 180
 tcagcatcaa ctctcaccca caactatfff tccaagcaca attcaaatag ttatgcaaaa 240
 tgtagagacc agacaaaatt aacaaaaatt aagcagagcc tgtgttctct ggtttgtcag 300
 tctccattgg ttcagcagat gctgggtggcg gggctggatt agcattgtcc ccagcatttt 360
 cattagtact ggcattagga ttctcctgag gtgggtgttg ctgctgctca ccaccctgag 420
 gaggtggggg tgctggtgct tctggtgtag ctggcttggg tggcagtggc tttgggttcg 480
 tcataattgg cttacaaaac ctgtccacag cttcagcttt ctttcttacg tcagctgaca 540
 aaagtacagg g 551

<210> 42516
 <211> 474
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910048f02d1

<400> 42516

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 aaaattttca tcttttaagg actaatttgt caacccatca cactttcaaa gacgaatttg 120
 gctatttacc cctaaagtta tgaactaaaa aagctatgtg atctgctctt ctttcaatct 180
 taaacttgcc acaggtcgct gctcattgcc agtaacaccc ctgctgctgg aactatgttt 240
 cacgtcgggt atggcaaaact tttgtgcttt taactgggat gcactattgt tggcaagtgt 300
 gtggctatta gtcttaactg caggcacatc atgattgggt tttccttcgt atgttgttat 360
 gacagcttta ggatccattg aagccctttc aacatgcttc cgaactttga accttgggtc 420
 gggcatttgt aataactcct acatttaaaa aaaacatgaa tacttttttt tcaa 474

<210> 42517
 <211> 565
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910048f03d1

<400> 42517

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 acgttacgta agatgagata gagcacacca tggaactgaa atggaatgac atgaaaccaa 120
 agcatcacat atccattagg actagtattc tcactaacat taaaacatat atagagacgt 180
 taaaccacac catatatgta tatatatata tatatatata tatatgataa cacatatata 240
 tataatttct ttactctct ggtctctggc cagaacacat ggatagatat caagatgcat 300
 aatcaggcag agaaattaaa accacttcaa atttagtaac accttagcac cttgggaagg 360
 gagttccaca agtgtttagca actctccttg cattaggaga gtcaacaaac ttcttgagat 420
 tgggggttctt gagatattgg caaaggcatg gtttctgttc cttgatcttg gagcagcata 480
 ngtttgatgg aggggttgaa gaggttattg cactcacaca tgcactcagc tgcactgggc 540
 tgcaggtcac ttgctttgac acttg 565

<210> 42518
 <211> 344
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910048f05d1

<400> 42518

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 ttaaacaaaa acattattat tttttacaat catttcgtca acttataaac tacctcacca 120
 ttttataatt ttaccocat aaaaaggctt gtataaaact ttatttcctt tgcaacaggg 180
 ggcattaggt gcattaaaac aactgatgaa agcctcatct cccttaactt aaactctttg 240
 tataaactta aaagcttcaa aatgtacagt ttttcaatac aaccacaaac ttttttttca 300
 attggcttcc acccattttg agagataggc caacataacc tttt 344

<210> 42519
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910048f06d1

<400> 42519

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 actttattgg gatttctaag gcacccctcg taccgttttta tatgcattta ccgatttaac 120
 ccaaacaac ccatattttg aaatatctct ctctatctga tttttgtaaa ctcccttagg 180
 tttcacataa ttttcgact aatataaact ttgaaacctg gactatgagg aatttattac 240
 tactatttcc tgagagatta ggactaaagt taatcatgca tcgaaaccga taactggatt 300
 gattaaatgt ctttttgac tgaactccaa ttatgattga agaaggattc tcttccctct 360
 tcacataaca actttaataa agttgtgata gacacaaaat atgcaatgtg gaaccaaact 420
 aggaacttag taacggtttg tttcactggg aattttgtta gggccatacc ctccaaccc 479

<210> 42520
 <211> 399
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910048f07d1

<400> 42520

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 tcttttcaat tattaattgt aaaaaaaaaa ttcattttcc cttaaaaaaaaa ctatttgcct 120
 taatcaacta aatactgaaa actttgaggc acaccaccta ctgcatttaa taattaattc 180
 aacaagttag gattctccaa agactaaaat tcacactgac taaaatttcc gggtgtacca 240
 cacacaggat ttctccatt atttacatac cagccacaat tcccatttgg tggatgttca 300
 tttaaaaaat ggccctaccct tttggaaaga acaattctct gttctttttc aatataacct 360
 ttttcatgga aaacccttgg aactggcctt ctattttta 399

<210> 42521
 <211> 455
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910048f09d1

<400> 42521

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ctttattggg atttctaagg catcctcggt acgtttttat atgcatttac cgatttagcc  120
gaaacaaaca catattttga aatatctctc tctatctgat ttttgtaaac ttccttaggt  180
ttcacataat ttttcgacta atataaactt tgaaacctgg actatgagga atttattact  240
actatatcct gagagattag gactaaagtt aatcatgcat cgaaaccgat aactggattg  300
attaaatgtc atttttgatt gaaatccaaa tttgatagaa gaaggatact ctttcgtctt  360
cacataacaa ctttaataaa gttttgatag acacaaaata tgccatgtgg aacccaaaata  420
ggaatttagt aatggtttgg tccactggga atttt                               455

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<210> 42522

<211> 488

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910048g02d1

<400> 42522

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ttgaaaagca gaagaaagca aaatatgtac ctaaactatg gttttaaatc attggttttc  120
agatattctt tataaaggcc aacttagggt ttcaaatagc atacaactta aagatactga  180
gttactgacc accaatagca gctcaatta caaccaagca cataagaaca atgatgtctt  240
cagagacggg acaggtatag agcttccttt catgtctttg gggttctgata tgcacttaca  300
ctaataagta ccaccctca atgcaagcac caagtgaagt acagaaccac cctcaatgtt  360
gtactcttta gctgttttgt catcagcaag ctgcttaccg gcatatatga atttctgctg  420
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ggatcaat                               488

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<210> 42523

<211> 542

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910048g03d1

<400> 42523

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 gttacttatt gatactaata gccttttgtg gtttgtttcc tataactaata cttggatttg 180
 aatactataa agcaccagca ggctaaatta taagaatgat tacatcacct ttgaaccaac 240
 ggtactataa ggatacaatg atacacgaac aagcggctca gcaatgtaag gttaaacatt 300
 gcactgtttt tggataacat ttcattgcaat tccttatctt aaaaatgggt tacatcatga 360
 taaataacga ttcttataaa aactgggaaa ttgctaaaga gaagcaccct gttcgaaagt 420
 ggaccgtatc cacgatagca actttacacg gattccaaac tggccaatc ataattcctg 480
 aggacttgca ccacggcaac attctttata ttagncatct atgttcttca tgtattcctt 540
 tg 542

<210> 42524
 <211> 396
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910048g04d1

<400> 42524

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 ggaggctgac agggaaaacc aaggagcctt ccatgcttta accatcacca caataataat 120
 gaccaatctt tttccaacga aatgttcgtt tcctaaaagt gcctaaaaat acctgttact 180
 ttttggtgaa cgaacatttg aaacttgctc aacagaaaaa caagcccaga ttaaattggca 240
 cgtgccaaac ataataccaa aattcacaga attttattaa taaataaccc atatagccaa 300
 atatagaacc ttaagcatac taatttactt taggaaacaa gttatttgaa gtgttgattt 360
 aagcgcagac gaattccttg ggaacaccct tttcac 396

<210> 42525
 <211> 486
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910048g08d1

<400> 42525

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 tgcactatct aatgttgaaa taaataaaga aatgcttatt tgattgaaaa tacattaatt 120
 tgtaatgtat aataataata ataatgatat ggggggtata ggtacaaatt ttgctaacat 180
 tttgtacaca aatactttcc cgcagaaaaa cgggtgaaggt gattgattgc tctaatacacc 240
 gttcaaaaag atcaccatcg aaatcaagcc tcgaagtcca ccatcaattt gttcaacttc 300
 ttgttggttaa ttctctgttc gataaaactc ttcccgtagt catcactttg ctgcaaggag 360
 gaagaggcac caagcgtcaa cttgcgggcg agctgaacgg cgtcgtcgtg ggtgttgata 420
 atgtgattga agcacaaata acgaccgtag gatgagacat cctcgtagac gcagatgtgg 480
 gcgtcg 486

<210> 42526

<211> 358

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910048g09d1

<400> 42526

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 aacagcacac gttcctaaaa aggggaagtt ccagggtcttg cccaacatac acaacacacc 120
 ataatttatt ttatatacaa tcttatgggg cccaaaatgc aaatgcctgg actaattaa 180
 caacaacctt agtctgatag gcagtgtcca tagataaatt gggtagccat aaaatggcct 240
 ttcttccaag gaaatggcaa acaggggtag ttccaggatc aactcccatg agttcatgaa 300
 gcatgtgatg attcattcca caagtatctg tatggcaaac agcaagtgcc tgagtttt 358

<210> 42527

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910048g10d1

<400> 42527

cagcagtact agttgttatt agtggttaaat ttcacgggtc ttcaacaggt atacaagata 60
 cagagagtac ctgagagagg atattacatt tttgctctct accgacaagt attataacaa 120
 tacaaaatta gtaacacgag ctgaaacttc tctttgcagt gttctccctg ttctataaat 180
 cactttctct tccagaaaac attgctaaat tgggtaggtg tgtgcatact attgggttaa 240
 tgtcttgtga tatgcaacag atg 263

<210> 42528

<211> 450

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910048g11d1

<400> 42528

ggctaacatt tgattgaaat tgaaccgtaa acaacctgat aaggacctta gaaatattac 60
 attcacacca caaacaata gtaattgaac tttaatatta gaagaacttt caagcagcgc 120
 caagctaagc gaagttgcga acgacaataa gggacaaggg acaaattttt gagcaataaa 180
 caagatgctc tgattttatt gatcagctta ggtagagcag tttattgatg ataacgcatt 240
 ttttggactt cagacaaacg cattcaaata tttgtcgaca gtagtgtatt tcacctcagg 300
 ataaagggta gaagcttcca ccccgaaaga aggggtcaatc tcatagtttg tacaatcacc 360
 ctttacatgc attgagtggc ctaatgcaa catcaaatta gcagggaaag gagactcctg 420
 gatgtactta aaaaggtgat cttctggaat 450

<210> 42529

<211> 287

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910048g12d1

<400> 42529

gggggcccaa aatgcgagat acctaccccc ttttccgaag ggaaaacttc cttatagggg 60
 gcgcaaaatt taaacaccgg gaccgcgttt aagcacctgt tgaagggaaa aaccccgggg 120
 gggcccgccc aaaataacgg ggaagcaata cccctttcgc cagtggggca aatatacaaa 180

agggcccgag acggagccct ttcaaaaaag agtccacccc aaaaggggaa agggcacccc 240
ccggaatcc ctaaataaac cccggcagag ttttgggacc ctcgga 287

<210> 42530
<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910048h01d1

<400> 42530

agatgatgag aatgttatta taatgcaagt gactataata atgggggagcgt agccaaaaga 60
attaatgaga aagtgtgata tcccaagaag tctagaaaaa attagtcctt gcacgggcat 120
gggtgaacaa gtagtgcgct atctgatctc tggcttgctc ggcagcatta gagcgaaggt 180
tattattctg gggcagcatc tgatcatcaa agatgtcaaa gttccactga ggcttcattt 240
cctcatcctt catctcacia atattatgca aaacacagca ggccccaaga agcacgggca 300
agtcctcaag cttgacttca gtcctcttct gcaagcaaga ccacctncct ttgagcctgg 360
cgaaagcgct cttagcaatg ctctgaatct cccaacctt ctgattaaac gcgtgctgctg 420
tccaagtaag attctgatga gtgtaaggaa ccaaacacc cttcatcaga ggggtgtccc 480
agttttccac caccacaaac gtccttaa 510

<210> 42531
<211> 549
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910048h02d1

<400> 42531

acagcagaaa gcgaatgata agccaattat attgatacag gggtgaccag atttcaacaa 60
gaaaactcta aatcaaacta aaagctctac aagagataaa cacccttaa ctaaacagtt 120
ggatttagaa gtacaaataa agaactcctt tctttaact attcacgttt tggaaagaca 180
accaatttac ggagggagca gggaaatatt ttttgaagc aagaaatatg tttatcagga 240
aatgaccaga ccacctaaa cagatgatca aatcatcag aacctacata aatgcaatta 300

tcagtcatt ctctaactgt catcctcttc ctgccactg cttcctcat catcatcttc 360
 atcattcacc tcagatacag acttctcaga ttcttcttca tccncaccag taggaccttc 420
 cgctgtttc ttgttatagg ctctcatggt cttctcgtag tccactttcc ttttctcaga 480
 ctntgccaca taagggtggc tttcagcatc agacatgggc ttccattttg ctccagcagc 540
 tttgccac 549

<210> 42532
 <211> 454
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910048h04d1

<400> 42532
 aaattaaaa aaatttaa tctctgataa attaggctcc ggagttaaaa ttctctatcc 60
 aaatacactc taattgagat acaaaatcat ttgttgattt caattaacaa gactttgaaa 120
 aattggaagt agaacgggga ggatacctcc tcattcacat cctaaacact ttaaagtacc 180
 tcgccattag attctttgat tgtgttgcaa agataaccga tcaactcttca atagttttcc 240
 ataatttttc tgaagagctc ctttggtgct ggtaatccgg tgaaattctc atattgtcca 300
 tatgcttgcc ccataaacat ctccaatcct gttacaatag tggctcctga ttcttctgct 360
 tctttcaaga gtctagtaat cttgggcgtg tagacagcat caaaaactag ggagtaatat 420
 ttctaagcgt gcttagaaac aggcgtctca tcaa 454

<210> 42533
 <211> 439
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910048h05d1

<400> 42533
 gactcgatct tcgtcaaact gatgttgcta aacgcgaacg cggaaagcac tttgaaaagc 60
 gccgaagttc ctttgtcgtg tgcgaaaaca atgctcgtct tgaaaggacg gtcctgctgc 120
 gggatgatag gctctctcgc gagcatcaca aaccgcgtga cgttgctcgg atcgtcttgg 180
 attccgtccg ccatacgtt caggccgtag agctccgccg cgcgtgctgt cgcgatggcg 240

gcggtgtcgc ggagattgtt gctggcgacg aactcggcag cgccggcggt gtcgtccacg 300
 gcctcgcgcg ccacgttcag gccgagtttg gtgagagtgt gctcgactg cgcgagtgcc 360
 tgcggatgcg aaatcacgcy cgtgaggaac tcctttcggg cgccggggag agcgaagagg 420
 cagtgatgga cccggagct 439

<210> 42534
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910048h06d1
 <400> 42534

gttaaggctt gtcattcatt aatcaagcca ggggacaatt ggaacaataa cagccattta 60
 atggcaagag atgaaatgaa aaggaagaaa taaaaggccc attgaagcaa caactttctt 120
 tctttctttc attgagacta ttcattagtt atttggattg tatcaggtgt gggaagatcc 180
 tttatttgca tttgtttgta catccagtgg cgattctcca gcgtgacttg gccgccaaga 240
 gagcgaataa cagacccacc actgcatgct cccactttgc agcactcttc aagagacaga 300
 cctttgatca ctccatacaa aaatccactt gcaaaaagat cccctgcccc tgttgcatca 360
 attgccttgg cttcgcctat ggccgggacc cgtgcaatct cgtttccatg tttagcaatg 420
 catccattag gacccagggg tactacggcc cattggcagt atttggcaag aaattctaca 480
 gcagttgctg gatcagcatt ttgttctccc cttaaaagc 519

<210> 42535
 <211> 577
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910048h07d1
 <400> 42535

atctgaatac aaagtacatg gttaattggg gcactggcat cacttggaat gtattacagt 60
 tttatacaaa gtagaataag agaaacagat actacaactg aatcaggttc ttgaaacaat 120
 aagtaacaag aaggaaccac ccaataagaa tggaagtga gaagaaccaa aacttttagga 180
 aggtgaagcc cccgaataag actccaagaa aaaatataac cacaatggg aagatagacc 240

gaagcataga tgttttgctg acccaacgtc cattgaataa aacgaaaatt gccagattca 300
ccacattcca tccgccagac agaaaaccca acctgttcaa attattggca acatacgagt 360
ggcagttgca ggtaaagaga ttgtaagata aatgttgga ttcttgagtg cttttcctta 420
gtgcatcatc ccaaggcctc aaatctcctt tagtttcac ctgaatgtag tgttcctcac 480
cattgtacac agactggact aaagggacgc aacacttttc tttgggaatt tgaatatagc 540
gggtggcagc tccaaatgca aaattgtcca cacacac 577

<210> 42536
<211> 499
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910048h08d1

<400> 42536

gaacatggaa acatctgtga ttgtacatat atagttttaa tgaacgtgat aaattattat 60
ataaataagg tttgaaataa ttgttagaca tgattttggt tgatgggatt gttattggga 120
taatgattac aaatattcat actattgaca aatagtatga tatataattt ctatacaatt 180
aatatgatta atgatttaag gagaatgaat tgattttgct tggaaatatg ttaggagaaa 240
ttaatttggt atatatcagg ttgaagattc tttatataag ataagtttta tttaaaatgt 300
tagcgaagta taattcatgt atttatcaac aataattggt tttaaaattt ttacaaaatt 360
ctttaaaatc ttaaaaattc ataatatatt ttcaaatatt ataaattcat taaaatataa 420
actacaaaat cctaatacata aaaatcttaa aaagttatta tattgttata aaatctttta 480
aaattttcaa gattttttt 499

<210> 42537
<211> 397
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910048h09d1

<400> 42537

aaaccaaacc ttccgggtta atttttttga accaaatttt ggggggaaac caaaaaattt 60
tccccccggt tcttttttat ttaaaaccaa aaaaaacccc cctccccctt tttggtttta 120

aaaaaaaacc ggggaaaacc ggggggggggt cctttttttc ccaaaaaatt gaaaaaatTT 180
 tccccctcc cttttcacia actttttttt ttttccctcc ccctcccccg gtatttcccc 240
 ttaagggggg ggggttcttt tttttttttt ttaaaaaaaa acttccggaa aatttttttt 300
 cccacccccca aaaaaaaaaa aaaacctcag ggggggagga aaacttttga tcaaccacc 360
 ctttccgggg gggggggggt aaggccccaa tcaaaaa 397

<210> 42538
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910048h10d1

<400> 42538

cccaatgga ggtttgggaa gggaatgttc tataattaag tttcagttac tcccgcagtc 60
 cgtctctaac caattcttct aagcctttct tcagtctttc tgcggcagct ctgcaatcat 120
 tctccgtcaa gcctccaaat gaaattctaa gatggccggg acaaccacaa gcttttcttg 180
 ggataccggc acccccttgc tggttgggtg gccgcgaacc acattaaaat cattgg 236

<210> 42539
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910048h11d1

<400> 42539

atgaggttag aatacactga cgcgttccgt gtgagtaaga ttataatagc aaacaaagtt 60
 acaaccatt ttattgataa atgagagaac acatgtctca gattatacaa aacaatgtat 120
 cccagtaggg gtcacgaatg aatagattga acccttcaga ctaaggaagc tcaatagtag 180
 caaatgatta aacaaggaca attggcaaac aagcaaaaaa tagcaaatgg gaaatcgacc 240
 gaatatagaa tcagtatggt gtgaaagttg aca 273

<210> 42540
 <211> 376
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910048h12d1

<400> 42540

agcgcgaagg atatttattt tcatagctga aactgaagct ttgggattta catatataacc 60
 ttcatacaat gaaagggggt ttttggttaa gaaattggag ggggactatg tttgggcaca 120
 tatttggtgt acccctttta atttacctgt tgtaatgggg aaggggggtt tattcataacc 180
 ttattagggg gggggtgatg ggtaaaaaga aaagagaaac cgaagcgggg cattatatga 240
 agatTTTTga tttgggaggg aatTTTTTga agaaattaat tgggcccggg gggattttgc 300
 tctaaaccg aggatgacgt ctcatTTTga ggccaactag aattgcaacc acttggaagg 360
 gggttatgtt aatgaa 376

<210> 42541

<211> 552

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910049a07d1

<400> 42541

atataaaagt tgcttcaacta gttacacagt tcttgctagc agggcagcac ttgtcacctg 60
 taatcttgtc acacacacac atccacaaag atagcaatga ttaagcactt ccaacagtgt 120
 ttacaacat tgaaatgacc aaaaaaaaca taacaaaatc caaacgtatc ctttattcat 180
 ctaaattagc taatcaaccc cataacaaaa ccacccaat ggctccagca acacagtgcc 240
 tcattcccat gtcttgcaact tcttgctctt tagcctcata cttgaaactg ggagtgggtg 300
 aatgctctgc tcatgctga acacattatc aggatccacc ttgggcttta ttttcaccaa 360
 cctgttgaaa ttatccttga aatacatatt gcccgaagca gttgcctgta tgtaacttgt 420
 gctgttcttc ttgttcattc ccaaataag aactctatag ttgacatatg cctcccttgg 480
 gaacttggaac acatanagtg nncgttaggt gtaaagcttc ctaatccaaa cttcatgctt 540
 tgatgcattc tt 552

<210> 42542

<211> 553

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910049a08d1

<400> 42542

gcaaaactct tcttaataag taattcaatc tgtacaggat gggcgggtga cctacataca 60
 atttaccatc tcaacttcac caccaacca cagtaaaccac agggctggat acttctggaa 120
 gacgtgggaa gcaacaatac aactctatat aaactaaatt taccaaattg cattcggagt 180
 ttacgttact aaatagaaag gaaccacccc tccaagacca cacaccagac agtaaaatct 240
 gtctgttgca accactcatc ttaggtgaga gtcatatgtg tcaaagagaa agtctggaat 300
 gaccaaaggc aacttatcta tgtacatgaa aagccttcta agattctccc ttgtcactgt 360
 tgccatgtct actacattcc tattggcagt gaacaccag agatcacccc aggttactct 420
 tttaagattg tcgcggcaaa aagggcata atgggaactt gccctccatt cgtgataaca 480
 tttcaggcac atggacatgg ttgcagtcgg gcaacacaat cttactatcc atctccatgc 540
 attattcaca ttc 553

<210> 42543

<211> 336

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910049a09d1

<400> 42543

aacaaagctc catgcttttg aaaatagggc gggttattca caaggggata cacagttcat 60
 taaggggggg cctccacaac ataaattggt tgttgcttcc aacacacctt ttttcccttt 120
 cgggttataa attgaggaaa aaccttaatg aggaaaaaaa atttaaaatg agaaaagagt 180
 aaacctatat actttaattg gcatccccta gcttattgaa atggaacatt tatatatctc 240
 gtttgaaatc actgatgcat gtacatgcct atcccttggt gatctatatg ccttaacggg 300
 ccacacccta caaacttgaa cgcattttta caaggg 336

<210> 42544

<211> 430

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910049a10d1

<400> 42544

aacgaaaaat ctcaagatat cttcattgaa gagggaggta aaagatcatg tctttaaatt 60
 caaatagaca taattaactc taattgcagg gtaggaacaa atggttctac gtaaaatttc 120
 tccaccaacc tgaccctgcc acccacccca attcactggc atgcgactgg gttccaaaac 180
 aatcaaaat tgatctaaca attttttaac attacaacca gttcttcaa tcacaaccac 240
 catatcaata tcacagaact cgtaaaacta cgcaagaaaa tgccatggca cccaagcat 300
 ccaagaagg accctcatat ttacattct gtcttctctc ctccttgagg cacaagtgat 360
 gatttcatca actctaagga tcattctcagc tgcctctgtt gaagatagca atacagcttg 420
 cttgactttg 430

<210> 42545

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910049b08d1

<400> 42545

gatctaattg aattcaatga ttactgaata ttgtctcggt ggccgagact gagaatacct 60
 gaatggcgca tcctgtgatg cagattgagt ctatacaaag aaatagacat gttaaataac 120
 tgtctgacta ggagtaaaca cagggaaact tgaaaagggt acattaaaca gctgaaggaa 180
 tgaaacatta tttatgttca taacataaaa cacgtatcct tgggtctatg atctatgtag 240
 tagaaccgcg atgctgttca taacanganc agagtgcacg aataccttcc ttgttgaagt 300
 ctctagaagt tgttctgaaa cccgaatttt taagcttagc ataagtctca tgaaaggcac 360
 attcatagaa atcttgccct tgcaacttga gggctcttgg 399

<210> 42546

<211> 390

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910049b10d1

<400> 42546

ataacaacac aatatagact tgaaattcaa aagcgggagg tgcatacatag gactagtcct 60
 atgcagctta ttgctcttac agagacacat tggtatataa acaaagcata acaatgaaaa 120
 agaaatagcc ttgccaccgt cgatcaagaa cccagttctg ggaacaaaag ttgcgagacg 180
 acggagcaaa cctgacacaa aatctgataa acaagttccc tacacgaaaa aatgaagtac 240
 taccaacaag aaaccattta ttgtagtcat aataatacag gtccttgat aaaccatcca 300
 gcacaattga tttggccttc ttctgtgcag ccttgggtctc cttactcca attgggggct 360
 ttttctcgac ccttttgatg actcccacag 390

<210> 42547
 <211> 309
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910049b11d1
 <400> 42547

acccccactt taccaaaaaa aatttaaaaa aaagaatttc ccattaaaaa aaaaattccc 60
 cgaccaatt aatccccaaa actttggcat tggttgga aaacacacac ccccccccc 120
 accttaagcc tccttcttta aaaaaaccaa aactttaaaa aaaccaattt ctaaaaaaac 180
 cttctttacc acaaaaaaaaa aaggggggaa ggggttatcc tttaacaact ggggggttcc 240
 attttacacc tattcgttgg cttcacaaac ccaaaatcct cccacacctt tttgttagcc 300
 ttggattgg 309

<210> 42548
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910049b12d1
 <400> 42548

ggcaagtcac aagattaaca ttattccgaa aagttcaaga gcggaaatcc gcaaacatt 60
 gtgtggagaa aaattccaat tactgcaact tagcaacaca aaacacagac cccaagatta 120
 ttacaccata caaagttatg ttcacttga caactcctgc gagaaagtgc tagccagaga 180
 ttgaatggtt gaggaagaaa ccgcacttga gccaccaagg taccatttct tgatggcctc 240

002220"ETTES60

taccacattg gcattctcta tcacatactt ggagtcttct ttcccctgca aagataccac 300
aatctcagca gtggcagaat ttgctgggaa atggtatgtg atcactgaaa gtttcttgaa 360
ggacttggac tggaaaaatt gaataacttt ttccaaagct tc 402

<210> 42549
<211> 357
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910049c05d1

<400> 42549

ctaaaaatca ttatatctta gaattcattg ttttaagtttg aggggggtaa aaatttatac 60
cattacatac aaaattctca aattgtttta agcacaacca tgaaaacatg gccaaaatat 120
ccaacgctgt gacgttaata ctcttcaata gatcatcatc ggttgcacca acataactca 180
ctctggcttt cctcctttac cttttgattt ctttatacaa ttataacgaa atttttatga 240
gggggggatt tttttgacgg gatctgggggt caaaagcaaa cctaccatt caactttaat 300
aatcatgaaa tattctcatc actataattt tgcttcattt ttcatgatac agcaaat 357

<210> 42550
<211> 338
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910049c08d1

<400> 42550

aaaaacaata tagcattaaa cttcaattga atgttacatg cgcaagggat caatgttcaa 60
atattcctaa tttaccact ccttggcatc gacaattatt gattccagat tacaaaaaaa 120
ataccattat ctatccagca acctgtgttt tcatcccaa aattggaaca aaatagagac 180
acaaggaatt actocaaatga cccttctgta actttggttt ctaccccaaa atataaagaa 240
acaaaatcaa aagatagatc aaacttagga ataggacttc attgtgatac aacatttgct 300
cctcaaggaa ggaaaaattg acaggaatgt ggacctaa 338

<210> 42551
<211> 428
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910049c09d1

<400> 42551

aagtaaataag ttcagttttc tattatttta tttcttaggg gggcaagagt tgcaatttaa 60
 caagattcta cgccacagag acgcacgtga acaatagaat agatgtagaa gcagttgaaa 120
 tgagggtgaaa gttgaaggga caaagaacaa ggcaaatact gctattcacc aatattccta 180
 attttgtaca aatgggtattt tcttttaaaa tcaaatacat agaaaaagaa tggaagtttt 240
 aacaacgact taacgataag gagcaaatca tgacgaacaa tcttcatatg aaagcaatat 300
 gtgaaaagct agttttacat gccactgaga cacatgtaaa cgtctgagac cacaataact 360
 tcgagtgttt ctaagtcgag cagcaaccag ctttctgggt cactggctgt cctcgaattt 420
 gaactgtt 428

<210> 42552

<211> 359

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910049c10d1

<400> 42552

caaaaagggg ggtcttttat ttaaaaattg cttcttaggg accatagcga aaaaattgaa 60
 taacctttta agcaaacctg gacagggttt ttccacattt tattggcaac ccctaacata 120
 gggaagcttc tattttctcc ccccttttaa acagttttcc ttgttttaaat aaaaagctta 180
 ttatttcctt aaacgtgcat ataaaacctc tctgaccaa atgatcaaaa aatttcctg 240
 tatacccact ttgcaaagg cttagttggg gccaatgaa agggaaactgg gaagttagat 300
 tccctgcca catcaccttg ttgtgtaag tgccaacaac tctggaattt ctaatcctt 359

<210> 42553

<211> 390

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910049d04d1

<400> 42553

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 ttctcattga aaacatgtta cattgggaaa acgagacaac tcaaaagggtt acatctctcc 120
 tattattctt tgatgtggga gagacaaaca ctgtaaccaa aacaatgcac cagttattag 180
 ccgagaagca gcaatgttgc atttgcagca agaagaacac agccctacaa ataactccac 240
 tgtggacttg gtccaccttg ctggataaaa gctctctagg actaggaacg aagacttttc 300
 tgcttcaatc tgttgatcta gtaggcctac aaaaaaatga aactagtgtt acactgattt 360
 accttgacat taaaccacat tttcaggact 390

<210> 42554
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910049d06d1

<400> 42554
 gaagagagcc acaaatatta tattataata attcatgggg gggaacaatg tatcatcaac 60
 catataacag aatttctacg aattcatact aacaattacg gattaccaa acaaaactgg 120
 ggagccaaca ctacaggaaa gtttagaaaa taaatattaa atttttaagt ttctgcaaga 180
 cttgccaccc tactcgtcat cagcaaattc ggnctttttc cctgtgcctt ccgcagcaag 240
 gttgggtcta tttccacgac cccttcacgc gccacctgtt acaacaaatc gaccaccacc 300
 accacttcca tcaaatggag caccaccagc actttcacca aatcgaccgc caccaccttt 360
 tacaccaaat tgaccaccat caccaccacc agttttacca ccaaattgac cgccacc 417

<210> 42555
 <211> 352
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910049d09d1

<400> 42555
 gttatgaaac atatgatgag tattgaatag agtaccagag tgggtaaaca ttcaagtgca 60
 ttttcaccta taacaagatt gcaagaatat agacacattt gaactaacia tttcagttga 120
 tacctagatt cggatcctag tctatgacag actcgcacaa tgttttataat atagtgggct 180

tgtgaagggt aaaaaaacia gagcaatgag ttgtttgctc actgacaaat gaaccagtta 240
 ctgtgaaaca gttaaagaag gtactgtata tttgggtcatc taaccatgac ttcttggatc 300
 agcaacttga tgcaccttgc ttgccttaac acttgaatat tgacctacaa ca 352

<210> 42556
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910049d11d1

<400> 42556

atataaaagt agtttcacta gttacacggt tcttgctagt tgggcagcgc ttgtaacctg 60
 taatgttggc acacacacac atggacggag atagcaatga ttaatcactt ccaacagggg 120
 ctgacagcat tgaagtgacc attctgaacc taacagaatc caaacgtatc ctttattcat 180
 gtaaattagg ttatcaaccc cataacaaaa ccacccaat ggggccagca aacagtgcc 240
 tcatttccat gacttgac 259

<210> 42557
 <211> 383
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910049e04a1

<400> 42557

gggagaacga aaaaattggg ggtcagtttt atgcatatgc atatacaaat ttacatacat 60
 gcctttatct gcccaaggct aatagaagt aaggaccaag tggggattga cggggactag 120
 ttgcatgtaa aaagaattct atcgagcacg tctctggggt tataaggaaa ccaaggtgcc 180
 actatgattt cgagcgtgca acaaaccacg gatattgctg tttgaagctt cattctcaaa 240
 accaataagc ttttaaaatg gacattggac actggacaat aataagagct tgagactttt 300
 ttgaattctg aagggtttga ccaaaaagag aagcggacca cgggcgaagt gatttcctta 360
 caatgccttg ccttgaacca gtt 383

<210> 42558
 <211> 288

002250"CTT560

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910049e08d1

<400> 42558

aagttagtat tttttttcat ttccatttat aaaaggaaag taaacattgg gtctcaccgc 60
ttacaactct acatttaaaa ataaagggtt attaaagtta cactggatta tagacgtaaa 120
gaaactacaa atttttacac taaaaacagn nnntctttta tacatactct ctgttgatcat 180
ttgtcaacac tacaaaaaat gaaaaagtaa ggtagaatct ttaatcattc acaaatatgg 240
agcaggctgc aaagggcatt ctgctttcta agataatata tatgaaag 288

<210> 42559
<211> 491
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910049e09d1

<400> 42559

atatatgaat aaaaaatata cctctagttt tctgatggaa ggggtctata caaatgatac 60
accttaaaaa aacatgaaaa acagaaaatt accaacagag aaagaaacaa caaatatttg 120
aatccacaag aataggctaa agattaaagc tatagcacta ataaatagga agcctaacaa 180
agactttcat ctccatcaga atcatctaca acccttccac accacttaat agaggatatt 240
gctgatatga accttgccat ggaaacttta agttacctcc attggacctt ggtgaactct 300
gccttataaa tgcaatggac tcacttgaaa taggtggagt tttgcaacat attgttaaatt 360
ggcttcacat aaaatttgaa acacgcttgg atcacaacgt acataggcct tgcatttttag 420
tagatttaag aattcaacaa taatggagct tggcatagga taccttggtc ctaaaatttt 480
cttggcactt t 491

<210> 42560
<211> 435
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910049f05d1

002220"ETTES60

<400> 42560

ctgtggatta attgttgagt tttccattc attgggtgg ttttacggtg ttttttttg 60
attttaatca aaccacgtgg gcttaattgt ttggttataa caaatgaaca gactttaatt 120
tttcgaaact tagtaaacca aaattcgcg accaagaaat ggcttgctac agaaaaccaa 180
attcgtggct aggaggatag gcatattcta acgtcaaatt ctttcttaaa caggtagctc 240
cagggtctgc ttggcctagt aaaaaaatt gtggaaaaga taaccatcct ggggggcccc 300
ttagtttagg gccggcccca ctaaactaat gggagtttca agctccgctt ttgtcttccg 360
ggacaaaaca cctcgggtt ttggaggaaa ttcaatttaa tccccccca ccgaaaaaaa 420
tttttccaaa catta 435

<210> 42561

<211> 480

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910049f08d1

<400> 42561

gtattgaaat taccgtaata ttattatatt ctagtaccgg aaggaacaat acttttaaat 60
gtgtaccatg atcgctcctg gtccaggata tccaatcttc aatatttgat taacatgatt 120
gtattatatt ttagaatttt ggtagtttc gctaagttgc tgtcgcaaaa cctttctcat 180
aaccttggtg gatgccgtcc ttggaagaga tggcagtggt actacttgag aaaccctgaa 240
cagtggattt agtttctttt ggagagctga attaaaagat atcctcaatt ggtgtaaatc 300
ttgctttgtg ctatttgaat ccttgaatac aacagctata gtcaacaact caggcccacc 360
accagaaggt ggtacccta ttgcagctgt ttccagaatg ctgctatcta ctccattgca 420
tgtgcgttca atctcaactg aactcacctt gattcccaa ggttcacgt attattcgac 480

<210> 42562

<211> 358

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910049f10d1

<400> 42562

agggggggga gaccttaatt aataaaaatt ataactcatc agtagcaaaa acagttcaaa 60
 acaaaaattc catgccactt tgcgaaggac taccagatt atttgccta aacgatgtcc 120
 tggggcccaa aacattacct taaagggtcc cggccacca ttaaagcttc ttaagcccta 180
 taaaaatttg gaaaacacta aaattaagca gcacccttcc cctttttttt aggggggttt 240
 tttatgtaaa actccaactt cttaccttcc aaaatgtatc cataaactct gccccattga 300
 ccagggttg aggaaatgcc cgccagcaaa cccccaccac caaactgctt cctaattgg 358

<210> 42563
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910049f11d1

<400> 42563
 cggccttacg ggggggaatc ttttaagtcct acttggtga accgtgggct ctggagggcc 60
 tcttgagca cctaattgatc gggccctgaa atcttcattt tctccaagct ggaatcaaag 120
 ataataaggc tgataggcct aactgtatcc tccatttttt tattcgtggg aacccccat 180
 tatcccccg tttgcgacag gacccaaagt ttgcgatttc atgaataccc aagcctggga 240
 aagcctggtg gttctcttg 259

<210> 42564
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910049g04d1

<400> 42564
 aattggaatt tagtttcatt gcagatttct gggactcaa acactttaat catgtgaatt 60
 tttctaccta actctaattgc atacaccttt gtcattcaaa ggaaattttt tgataacttg 120
 ctccttactt attaactagc agtttcagaa aaaaaatcct aggatatgac aaaatgctac 180
 tacataatgg aactgatggc catagatggt tttcaaaca gttcaccaat gaaacacca 240
 ctagttcttc caacattcat taattcattt tctcaagctc aacctactca aatgcaaagc 300
 aagtgcattc ctcaccctaa cagcactctc atcctccact ccatcaaagc aaggaagccc 360

ctcttccttt tccaccctt catccggcat tgctcattg aacttgagaa caaaattatg 420
 caataagcaa ccagcaacaa gcacaagggg caaatgctca acac 464

<210> 42565
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910049g06d1
 <400> 42565

gggaaaaaaaa ctgaattggt tttgtaaagt tttttttggt aaatacctta aagaatcaat 60
 ttattttaac aaaaatcctt gactcaaaga aaattttattc ctgtttttaa tgtttggggc 120
 cctcattttg ctaccaatg aaccaccctt ttggcccata cgtttacgaa accttggttt 180
 caactcaatc acttgcttct gaaacctact ttcccatttt taatgttcac ttctaact 240
 cacacttttc cacctttgat gatcacttct aacccttattc attttgggtt tcaaacccaa 300
 atcactatca tactggtctc taagccttgg attggacaag ggctcttaag ccgtatttag 360
 ctgaacaaac atccttggtg actccccctt catggaagga tcctggcccc 410

<210> 42566
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910049g07d1
 <400> 42566

atagcacaag ctaattttta ctaatttcat tatatttcct tagactgacc tacaagtgac 60
 aaaaatgatc gtgttataga gaaatttctg aaatagaatt aatgagcaca agaatgcggc 120
 cccaaatact gcacatcctt ggaaattctt cagaaactgt tattttgcct atcaaatac 180
 cctaataccta tagaatttac tagtttcaca aaatttacta gtcagattct ggaagtaaaa 240
 tgtcaatccc tcttcattgc tttgttgaaa aaagctcttg cggttgctat tgcaaggtat 300
 gcaaagacgg tcagagtgat gccccaaaac agaacaagac gatcataagc agcattttgt 360
 actgtgtaga cccgcatacc tattgtattc cagttgctct ctgtccagac aggggccaca 420
 accccatttt tgtcagagga attagggggc aaaacattcc acatttctga ttcaaatttt 480

agccgtgttg aatatgcttg cacatacctc gttgaaagag aacac

525

<210> 42567
<211> 456
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910049g09d1

<400> 42567

gcactgaagc aagctttact atataacaca gaatctagtg ggcgccaaca attaattgatg 60
gaagttttct agtgttacgt tctttgatca tacagatcag attctgatcc gcaattacac 120
agtgtcagcc aaaaaaggct tgatttgtat tgagaaagct attttctaata ggggtagaga 180
aaatatgtag attcgacttg gttaacgaca agtatctgaa tttggtaatt tgcagtgtta 240
acttttttat aactgttggc tcattctccca actttgcttt ggtgccacgc cacagtgcct 300
cgggacatat tcctcaagct tgcacatgag atcttgggca gtttgggcag agacaataat 360
gtgacgggca gcgggtgtaa tgaaaccttc gtctacagca ttgtccatga atgacagcaa 420
cgagttgtag tacccatcca cgttaaaca cccac 456

<210> 42568
<211> 562
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910049h07d1

<400> 42568

aaaataaaaa tgacgtgagt ttcattcctg atatattgcc aagatacaag gcctagatca 60
tgtgatacac aactgtaaaa atacataaat taattgcaat ccaaggatag atgatgactg 120
actaaatcgg atgccagagg gtcgcagaaa aagcccagaa ctgcatttgt tatatccaca 180
aatttgtttt caacaggccc attgggatgt cagtctactt aagcagatga aaatggttgg 240
actaaaacaa caaacaagtg gatgaaaatt agaattgtaa ttcaggtgtt ggttgaagac 300
acaactaact tcacctcaa ccaggcttg cattttggat tttagtatct tcatcccaaa 360
gtaaatcttc attcaccaat gaagaacgca ggtcactcgt ggttcctccc agtagtagta 420
gggcatcaac agagtcatag atggtgaaaa tataccaacc aagaataaat catacaggct 480

002220" ETTES90

ttgtgttata tataaggtga gtggagtaca tatctctaca aaagaatagc aatccaccac 540
atcagtaatg ccattttttt ca 562

<210> 42569
<211> 332
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910049h09d1

<400> 42569

aattacaata ttacgagata aatctattat gagaacttga gacaacacaa atacattgca 60
aatacatcaa aatgatggaa ggaaaacaac atataactac atagacagag attataattt 120
ctactataca tatttgactg tgaaaataac catagagacc ctgctaagat atccaaaaag 180
cagcggaaag aagattaagt gatgaactca gtgtttacat cttagatcga tcttcccatc 240
actgctcaga tttggaaaat atccgtttga aatctctcat catacaaact ccaatgacca 300
tacctttcag tgtggaagac agacctgggg at 332

<210> 42570
<211> 428
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910050a07d1

<400> 42570

aaaaaaaaagt ttttttttaa ataaatgaaa agggccggga cgggtcgggc tcaattgttt 60
ccccaaaaac ctggggggggg cacatacacc cccaccaat tttaaaacca aaaactggga 120
acattatttt tattaaaccc ctttccaaaa aattcctccc agcttttttt taaaaggggt 180
tttttttccc ccttttgggg gtccctcaa agggtttttt tttccccct ccacatcccc 240
aaaatctttc agaatcggtt tccatgcttc ccataaccct ccaccccttt ggtttttgce 300
ccccaagaaa aattttaagc cggggggggac ataacttttt ttccccaggt cgggggacct 360
ttaatcttag tcacaaaaag ggaagtcccc accctcccc ccttaacca cccccaaaac 420
cccccccc 428

<210> 42571

<211> 522
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910050a09d1

<400> 42571

cacataagcg aagtaacttg aaactcaaaa aacaccacaa ctcagactac ctgactaaag 60
 caaaagggaa taaacaaaca aaaacaaaaa tcagcaaatg actatcattg gtttaacagc 120
 tcttggaaga atctccaagt gttgggggtcg atccattccc ttctaccagc ccttctgcat 180
 tcattcttcc ctctgctgca tttgcagtag cagcttcatt catcaagggtt gcatcaagag 240
 actttggaaa tgtaactgtc ccaaagtga aatcactggg cttgctgacc tgttttggtg 300
 actgctgttc cttggacttt ttctcctgag tcgccttttc acgagcctca tagaacccaa 360
 aatcatccaa gatgcatggt tggcttgaat gtccttgaa aattttggca atttgaacac 420
 ccttctcaaa cttaacctcc tgagtatccc tgctatttgt tacaggtttg ttttcattgt 480
 tticaagcgt tatgtgcttc aacacgctat ttggaatata ct 522

<210> 42572
 <211> 439
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910050a11d1

<400> 42572

cgagacataa ccatagacaa tattaagtta atcgcaagag ggcaattcgt aaacagtcac 60
 taaaaagtat catcaagtac ctaagcactt tctcattgaa tctgaagctg aaactaagca 120
 cttgcttcgc atgtctgcat atttctttac aacaagctcc tataacaatt aaaacagatg 180
 cctagattgt actggtttgg aaagcatatg atttgccgga tgttgcaaag agaaccataa 240
 ggaagagtta aatgagacac gggcagattt ttactttcat gaaagcttca acttcagctt 300
 tatggcttgt gaactttgaa cccaaaaact cttggaacat agccttgtgc tggtttctgt 360
 ggcttcagtt gtccataagt catcaagaag aggtgtggaa atgtagtcc aaagtaagcc 420
 ccatcaatgt tgccttgat 439

<210> 42573

002220" ETTES60

<211> 493
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910050b06d1

<400> 42573

attgagcaac attaatcaag attgaaaata tattgagggg tggtcggcag acaaaaaaat 60
atatagagct ttagtgacct tggtatcatt aacattccca aaataagatg caagtaaattc 120
ctatcaacca cgttatttgg tacctaaaga gcatagcatc tctccagct actggcatag 180
atggaataga agagtaaacc attcagattt tgacaaaagg accttcatcc taatttatag 240
acggattaac ttcgggtcttc attatatattg ctgttcttgt tcttggacaa gcaccaaagc 300
gggttctgca tgaattatct aaactcctta aactgtataa tggtgttgga ttgtatcaat 360
gtcaagtccc ttcagcttca cactgactc aacatgtcct ttcagagtat gaagctccct 420
gagccttgca acctcggcac gtctcttagc ttgctcagca atctctgaca gtcacctgta 480
actggtcttg tca 493

<210> 42574
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910050b07d1

<400> 42574

aagggtggca aagttatctg tttatcagcg atctattttac ggaaaatggg atccattcat 60
caattggtaa aaacagtcag tattatattg ctataaattg caacccttgc tcgaatattt 120
tcttatacat acttctattt gtgtcgatat tagacacttt tgattatcta gagaatgata 180
gattccctct tggtcatttt gaaatggaag tgcactcaga atgatgggaa aaatctgttg 240
aggttcaaag gaagtgaata gaagtcttca gctctagtagt cctggttgaa ggtcctgaat 300
ttttcccacc agtgtcttcc actgtctcgg cgagttgagc cctctccach actnatagtt 360
taatccaaga aggaagctac tatgattgcc actgttgctg gggatgagaa aatcacttgc 420
actatatttg tgaa 434

002350"ETTES60

<210> 42575
<211> 513
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910050b08d1

<400> 42575

gcaatataat gtcaactttt agaattgata aaacagcaca aaggagaca gtgaaatgat 60
cattcaatta tttgaacaca aacaagtgtt tatttcagga gaagcctact aagttcaggt 120
tctaaatcat aatatgcaga tcaagatgtc tacctgattg ctatgccact ccaacaaaca 180
tcaactcaagt gaaaactcaa acaacatggg atgttgatac ttctcgcccg gacgaaccac 240
aacagaagga aaatttggct ggtttatggc attagggat cctgtgtct cgagacataa 300
cccagcatgc tttccatata tagcacctcc ttttcctga acaccattca catagtttgc 360
agtgtaaaat tgcacaccag gggcatttgt ccacaagtta agtactcttg aacttgatgg 420
atccctcact tttgcagcat gtctcaaacc ctctttctct tccccacaat caagcacata 480
attgtgatca tatcccgatc caacctgact aat 513

<210> 42576
<211> 379
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910050b09d1

<400> 42576

agcatgaaaa acgacttatt gatgcaaggc gtaaaacttg tactggatat gggctaaact 60
gggacaacgg catacaaatt cagttcaact tccacactat aagaaaactg gataaaaccg 120
agaattatga atgggtgaaag gatcacggag aaacctgcaa cgacaaggct atggatcata 180
ggatctcgag ctacaaatag gcctctactg acatctacca taatagagtt ctcttcgata 240
ataagaacaa cttccacgac tgccttatgc cttcctgcat ggacataaac agatggctat 300
attactcata acgacaggac tgtatccgac gcttgatata ttcacaacga tgtatctttc 360
ataatctcga acattactg 379

<210> 42577
<211> 422

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910050b10d1
 <400> 42577

caacgaatta aataaatggt tcaatatata attaattgcc aaggtgtaaa aaacttacga 60
 cataaaaaac tgcacattat tctcattctc atggtaacta aaaaattata gggcaaaaaa 120
 gagagattta aaagaataag gatttttttt tcccctagac atattaatcc catggactca 180
 atgaacactc ctctggggta gttggataac gcgcagaatc ctggcagcag tcatagataa 240
 caaggttcct ctgaacccaa gcataatcct ttttctgac atcagaaagg cgccaagcat 300
 catactgac ccaccaatct ttggttgtgg ttgagacaca ggcagggtat ggggtcttccc 360
 actggcaacc atccacactg aagtccttgt aggatgacac aaatggggct aatttccagt 420
 ta 422

<210> 42578
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910050b11d1
 <400> 42578

gggcatggaa aaaaggtggc aaagcaacta ccatcattca ataagtaaat gttttacaca 60
 aatcaactca tgaacaatgt acataactaa ttcagccaaa cgtcgttttt tgccactggc 120
 acagatccga ccaatcatat gcttgtcttg aactactgca gcattttgca ataaatctat 180
 tagcagagaa tcacaatgca attctttttt tcttcttctt ttttttggtt tggagatctg 240
 taaaaatact gagctgtcag gagaatatgg gcttcattca caaagggttct tggcttctga 300
 aattctatga ttcggtcttg cttattagcg ggggtgggac tgaaactacc ccaatgagga 360
 acaatgttgc aattgagttg aaatcataaa gatcacccac agattgtgac ttttc 415

<210> 42579
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910050b12d1

<400>

42579

gggatattag ggggctatta ttaatgggac acaattgagt tcaacacaaa ccgaacttat 60
 tttcaaggga cattattaca gaccatttaa acatcaaagt tcttcaaagt ttttggaac 120
 acatccaaca ttacacaacg agcttaaaac cccccacgga gacggaggac aaggggaagg 180
 gttgattcct tctggatgtt ggaatcaggg agggctcttt catcctcgag ctgcttgcca 240
 gcaaaaatca acctttgctg gtccgggggg aagcctttct tgcctgaat cttggccttc 300
 acattgtcaa tgggtgcaga gctctccacc tcgagggtaa tagtcttacc cgtaagagtc 360
 tttacgaaaa tttgcatacc accacgaaaa cccaacac 398

<210>

42580

<211>

485

<212>

DNA

<213>

Glycine max

<223>

unsure at all n locations

<223>

Clone ID: jC-gmro02910050c06d1

<400>

42580

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 aggtgtacat aaatacatgc tatcacataa ctgacatttt gactgaccac aacaagtatt 120
 gcataaataa ataaaaacaa acttgtctca accaggcaaa tcttattcct atcacaagtc 180
 acaaccaag ccaatctcaa aactgtaaaa ccatattcac cgtcttcaac tcttcatgga 240
 tggactaggt acaaagccct aaccgcttca cattatatgc acagaacaac aaatggccat 300
 atatatcaat agagaagaga gtgatttccc ttatttgaga ttctcgaaaa tacatatccg 360
 ngtgtttatg ttgcgcatct ttcttcatt cagctatgga actggttttg tattcgcatc 420
 ccgtcttccg ttgagcttat gtttatccct aatcacatta gaagtgctaa caggggtgtt 480
 gacta 485

<210>

42581

<211>

529

<212>

DNA

<213>

Glycine max

<223>

unsure at all n locations

<223>

Clone ID: jC-gmro02910050c07d1

<400> 42581

agacaacttg tatatacagg gatacttgat agtttagttg ggcattgaggc acaatataga 60
 caacagaata tacagtatta cttgactgcc tgaaactgaa agtataaatc gatagagtaa 120
 gtccttgaac taggccttca aagattttgg gcaacaaatc aatccacag agatacaaat 180
 caaatactaa attattttga gttaccactt ctttagtcct ctatgtgaac aaatgtggta 240
 acatttttaga tatatgtggg actaatttga taacaaaaat cttaaaaaaca ttaatgaggt 300
 gatgccataa tctttggaag atcaattttg cagtttattc taaaacaaaa tcacaaaaca 360
 cactgcacag aaatacaggt atacaaccac aggcgctata gcttcaaaca tactcccata 420
 caaaccaaat acaagatcta cgnggagtag aggctactga tgagaagcct gaagaagtcc 480
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<210> 42582

<211> 511

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910050c08d1

<400> 42582

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 gtccttgaac tggctctcca aagattttgg tcaacaaatc aatccacag agatacaaat 180
 caaatactaa attattttgt gttaccactt ctttagtcct ctatgtgaac aaatgtggta 240
 acatttttaga tatttgtggg actaatttga taacaaaaat cttaaaaaaca ttaatgaggt 300
 gatgccataa tctttggaag atcaattttg cagtttattc taaaacaaaa tcacaaaaca 360
 cactgcacag aaatacaggt ttacaaccac aggcgctata gcttcaaaca tactcccata 420
 caaaccaaat acaagatcta ggtggagtag aggctactga tgagaagcct gaagaagtcc 480
 gtctcgaat tgactagcta cattacgaac a 511

<210> 42583

<211> 423

<212> DNA

<213> Glycine max

002220"ETTES60

<223> Clone ID: jC-gmro02910050c11d1

<400> 42583

agaacaaaag attttggttg gtgcatgggc agttgttcag aaaatcaaca atataagtgc 60
actttattct aagtacacct cttatttta aaaagccaaa ataagaaata aaatgatgaa 120
tcaactgtcat tgattcgaca attatttata ggcaccagga caataatata taaacattga 180
atcttgggtca tgtatacaat gaaacccgaa tatgaaaatt ttaaaaaaaa aatagaaaat 240
aataaattta gctcctgcac ctggtgatgg cactgcagcc acggctgtaa ggggtggcct 300
gggcgccagg ctggcaattg tagtaggagg ctccccggcg agagcagggg acagagtttc 360
tctgcagcgc accgtagctg atgtacttgg tctgggctaa aatgcgcggg ctgatctcgc 420
tgt 423

<210> 42584

<211> 522

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910050d09d1

<400> 42584

ctcggaatag taacacgcat actaaggaat tcgtaattta agacagcgga ataaagtgtg 60
tataatgcat ccatctcaac actgcaaagc tatgtaaatg cgtcactact acaataaaaat 120
taaaacagac aattcagaaa gatccaaatt tgacaaccta tactatatca actctgagga 180
gacgttttag cagcctgttg aacaggctgt gcagggtgctc catcataggc tccacgagta 240
gtcccaccta cattaccatc gctggaatat actggaggct gagcgtaacc agcagcacca 300
taagaactgt tgctgtacga tggaggagcc tggccataac cagggttgacc acctgctggg 360
gcaccacat atgacggggg accataccct ggctgcactg caccaccata accagatggg 420
ggagcttttt gagaacctga ttctggttgg gcatatcctc ccgaaggtgg aggctgggaa 480
ggaggatatc cagattgcaa atgaccagat tgaccatata cc 522

<210> 42585

<211> 509

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910050d10d1

<400> 42585

aactacaaca ccatataacc ggctcttatt tcattaaaat tcagtcacca tatccatatg 60
 ccacagtaca cagaggcaac accatcacat accataaagt gaatccatca ccaaatcata 120
 acaatttcat atataatctc aaacaaaaac aaaaacaaaa aaaaaaggca tcagcaaacac 180
 aaacaaaaac caaaacccta actttttttt tctcttcctt caaatcttat caatattctc 240
 atcctogaac tcgatataat catttccggc cccatcctcc tcctcatcaa ggccagcgcc 300
 gatgccctcg ttgagcctgg tgctgtcagg aagctcgccg taggccttga ggagcctggc 360
 ctcgtcgggc atgtacttga ggatgacgtc ggccttgctg tcctggtagt cgcgagggcc 420
 gacgaggatg atgtcgccgg cggcgatcca gaccttcttg tgcattcttg cgcggatgtg 480
 gcagaggcgc ttggtgccgt cgatgcaca 509

<210> 42586

<211> 516

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910050e06d1

<400> 42586

atacaaaaat aataagaata ataattatgc tgtgttcaca aggaaaattg catctttaat 60
 tgagccaaga gaaaagaata ataataata tgcctagcta ttttgatcaa gcaattaaat 120
 attgaagaca gcctagcagt tgcgcaatca gagatgaaat gaaatatgga gcagcagaaa 180
 gagagaatga gggttactgc agcttttccc cttacccac caaagtaaca caaattagaa 240
 ggatataaag atatgtagat tgattggaca gacacaagca aaactctccc caggggccag 300
 aataagtcta aacatagcaa ggagactgat gcaactccaa ccgttaacca tttcaaaatc 360
 ttaggtgctt tctgctggaa cctgggtcac aacaccaatg ttgttcatag gtttgggcct 420
 ccactcagtc ctgcccctca caatctcagc accatcttcg agtcgaagca aatgcttgca 480
 ctcaacatgt tcaactgtgag ctagattgcc catgtc 516

<210> 42587

<211> 528

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910050e07d1

<400> 42587

acccgaacaa agtatttttac agtacattcc tcaactcaagg taaaatggcc atccaaacag 60
 tgtagattaa attaaagacc tgatttttaa caaactacat atcatagttg tacagagtga 120
 catttatgca caaacctaag taggtgactt gactgacata acgttggtta acctccaaga 180
 aggaaaaacg taatgcttcc atgtgaagat aaagaaacta agaccacaat atatctaaga 240
 caattaacca catttctcgt ctgtttcaca tctacaatgt cttcaataaa aggatgaatc 300
 tcaaccggaa tttgggcaaa actctcatgg gctgatttct aagatgaagg gtgagctaac 360
 atgctatcat ggtcagaatg ttatgcatca gcatgctccg gacataaagg atcacattca 420
 attgatttgt ctctcgcgga aaccagagc ctttgagca tcaaagtaag tttcaggaga 480
 cggacacatt ataattgcat caagaaatgc tagttcacgc aatttggc 528

<210> 42588
 <211> 344
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910050e08d1

<400> 42588

gagatcaatt caaattgcat atgggttggg aagtcaaggc cgtatcagca gtaatttaac 60
 ctaactaatg agaaatattc aaagcattga aggaatactt cttgtttttt gtgtgtgatt 120
 gaaggaatac ttttaaatac agataaaata tatgcgataa aacttaaaag agatacctac 180
 atttagcaac ataagtaact gctggagtcg atgggttaaaa ccttaaacat caaattttca 240
 acctaaactg acggatgata aaacccaaact actggctact catctggtaa ggggatgtct 300
 gaacactctt cggttcttcat tcaatacaaa attggccctt gaaa 344

<210> 42589
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910050e09d1

<400> 42589

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tgagatgggt aactcataaa tgtcctaaaa ctgtatacca tagaatggca actcttttca 120
tctacaacaa aagggaattt taaaaaaaaat tcagcgctca atgttagttt ttggtcctct 180
tcgaagaaaa caattggcga agaaagccaa actttcctct gtttcgggca gaaaactcag 240
taatggtgcc attacttggt gtagccacct cagggttcatt gtcagggtgt actggcaaag 300
gaggagacgg tggtagaggt gtgaagagaa acgcgttgag catgcggatg atctgactaa 360
agcttggctc caagttagga tcttcaacct agcaagattg tntgacaaaa gcaagttcag 420
gggatataac atctggaatg cggggcctct tttgcttaaa tgcagcagca taagcagcct 480
gtaaattgga catcccttca aagggcattg 509
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<210> 42590

<211> 509

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910050e10d1

<400> 42590

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gaagtcctaa gtccatagaa atttttatac atgcggaaac tcaaaggtaa acgaatcaaa 60
ggtacagaag caacttaaac attttggtat ccttttgggt atggcactac cacatccata 120
agaaccaaca ttgacagtgg cacgtatatt agtttaatta tgcaataact gagacataat 180
cagtggcaag tattcccctg ttgcagtttg aaacaacccc accccgccaa tctccataga 240
gagttgctta tcttgcacca tttttaggac cacacatttc cttggatttc ccacttgat 300
atgtcaagca tacatacaga aattacatac tacataaaca acatggtctt agcagtttcc 360
tgatcctata cggagataat ttaccagta ccaaagata aagttcacia cataaatatt 420
tatacaaact ccccttagtc cagtatcaca tcacaaccac aatcaggcat atctttgtat 480
ttaatggctg gatggatata tagcagcta 509
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<210> 42591

<211> 491

<212> DNA

002220-ETTES0

<213> Glycine max

<223> Clone ID: jC-gmro02910050e11d1

<400> 42591

aacccagcat cacacaagtg gtttttgga atcatttcag attctgttat acacaattta 60
gaagaagaaa aatgagtatc gacctttata aatccacctc gatacaaaag gggactttac 120
atccccaaaa caaatgaaa tagatgcatt tcatttgatc caacagctaa ataaattaca 180
aattataaca atatatttga aaccagtgtg gaccttcaaa gtgaaaattc catcagtatt 240
taaccttcct ctccaaattc ctttgtgaat ctctcgtgaa catcaagggc ggctttgctt 300
actgtaggcc tttgtctagc gagtaccttc tcaaaatctg tcctcgtaat agggggcgga 360
aggatcttag aagcaagtcc ttttgcagca agctcttgca ttgaggattg aactgcaccc 420
tggtgctttg gtccacacgg gatccacata ccttcaggat tctttaagaa gaacattgca 480
tcttggtttt t 491

<210> 42592

<211> 397

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910050e12d1

<400> 42592

gaaaaagggg tatatcacct tcatgatttc ctttttttta aaattttatt cctcgttttt 60
cataatttat tatttatata acatcccaag ttttcttcct ctataggctt taacaaaaga 120
aaattaacac gttttacact tcacactaaa cgacaaaagc aggcttacag aattttaaaa 180
atttaaaaac acttcgaagt cccaaccaa tccatcacca cttttattat ccattccctg 240
tttccgttcc caacgcccac tatttacaac cttacacaa cctcgccatg tggcagtctt 300
caaacaaggg ttttgctttg ttaagtctgg ggggtcccaca tttttggccc gaaaaacctc 360
ttttcattcg caccatgcgc atttgaactt cccccgg 397

<210> 42593

<211> 502

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910050f08d1

<400> 42593

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aaacaaaaca aaaagatggg actattttca tgcgcaggat agcaagttcc agtgttcatc 120
aagccggtgg cttaggttat tagtttttat ggatggagac attggctatg tatgtacata 180
tggtatcaata agatgaggtg aggagcatct gtatctgtat tttgtacaaa atgaaaagta 240
aaagaaaagg aacaatgcaa tcaatgaggt aaaaatgaat tggacagtgc tgcagatact 300
ttacaaacag ggcaccagtt cttagccgc atccactcct gtatgcaaac cacatgaaat 360
ctatgttcac attgcagatc cccaacttca tctccaacaa catattcttc ctggcaaatg 420
cagcatttga tatcatcctt atcctcatta caactctcat ctgcatcacc taaaggtgca 480
gactgagatt tacttctttt ca 502
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<210> 42594

<211> 347

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910050f09d1

<400> 42594

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gggcgccggg aaatccaagt ttacggcccc ataatttcaa agncaaacct cttttatagt 60
gtcccctaaa ataaatccat tggcccccggt tttaccacga caagaatgaa aaaaccctgc 120
tgtcacccaa tttaatcgcc taaacaaaaa tgcccttttc ccagctggc gaaataaaaa 180
aaaggtccgc cacacactcc cttaccaaca gtttccaac ctgaagggcc aaagggcccc 240
cccctgtaga ggtccattaa gcccatccgg tttgggggat accccaatg gaaccgttac 300
atttgccaaa accgaaacgc ccaggctttt acattttcttc cctttttt 347
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<210> 42595

<211> 351

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910050g06d1

<400> 42595

ttggcatatt acaagagact tcacgaatca tgcaagttca gatgtacata ccaggtggaa 120
 aaagaaaaga tattttacac acaaaagaca caataaatcct tctgttggtt 180
 ccatccccgc catacacaaa ggttgatgaa actggagtggt gttttatctg ttgatcgtgt 240
 aggaagcatt gattggaaga gacatTTTTT cttctcagtg ttggtctcct tcacgtacca 300
 ttcgttggtg aagatgagtc atTTTTcttc tccccgttgg caacctcagc atgattatcc 360
 tcatcacttc catcctccag agaagccttt tgttgagct ctttgacttt gcggaattca 420
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 gntttctctg cctcatcctc agatgat 507

<210> 42598
 <211> 396
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910050g10d1

<400> 42598

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 gttcgatcaa tatcaccact tcaatTTTT aactaaaaag gaaaaataaa ctgattgcct 120
 gatccaacca cattgcattg tttttataaa caatttacat ggcggattat acaggcactt 180
 tctcttcctt ctattatcaa ctgtaggatt cctcatgtca ttttttgcaa aaccagagcc 240
 agggggcata ccatatggca ttggaaaagg agcttgaaaa ggtgttgctg tcacagcaac 300
 acttgttgca ggtactggtg gtagtgcaaa cacaggtgcc tgagatgagg ttgaaacagg 360
 agctgcctgt ttggccctaa gttcaggaag ggattt 396

<210> 42599
 <211> 423
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910050g11d1

<400> 42599

aatcagtagg ctgtaacaga aatggattac atgtcctttt tctacaatga tagtccacat 60
 aaactcaata cagaagatgt tactgactgg acaatttggc taggggtgagc gccaatacct 120

ttacaccatt tgacatatct tcaatggtgg caaactcttc aggcttatgg ctgtaccctt 180
 tgtaacatgg aatgaaaatc atgcccattg gagacaacct ggccataaac aatgaatcat 240
 gataggctct actaatcatc aacttgcttg tcaagtttag ttcttttggt gcagtctcta 300
 ctgccttgat gactgcttca tcagaaatgg ctggtggatc ctgattgatg acacggaaat 360
 cagagagctt gacacctcgt gttttggtat ttttaattgct gattgatgaa ttttctcaac 420
 cac 423

<210> 42600
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910050g12d1

<400> 42600
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 ttttactaca caagtcttcc actttaaaat agacattaaa gaagccaaga ctaatatattt 120
 acagtgttcc ctctttccgg gaaaatttac atcaattata gataactcgt ggaggtgggt 180
 ggttccccctt caacttcatg atgatccata atcttcagtc cggttgtaac caactatgga 240
 ggatggaata caatacatta cttgtcngtg actcctattt tcttttact gtcattctttg 300
 gtaataacaa tcccaaccaa ttacaaggc tcggcattct caagcttttg aaccacagct 360
 ctcatgggtg gtctcaaagc cggaagagtc cccgtgcaca gcactgcttg gtctcaacac 420
 cttgcaagct tcctttgtat acatctccgg aattctcgaa tccaccgcac tcctaagtcc 480
 ctc 483

<210> 42601
 <211> 523
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910050h05d1

<400> 42601
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gcaaactgta aattatacaa tttagcacat gcaaaatgaa agtatgtgta ctccatcttg 180
 tcgactgtga tcgaaaggta tgcaatgttg gtgtcttgga tattagaaac ttctttgatt 240
 gcgtctagta gaaaaaccag tgcgtcttc atctttgatg aagggtttaa atctagcgag 300
 gccaccactt cactgtatg cttggcttct gtttgagct tgatgatcgg atggatctgg 360
 attgccacaa atctcaagtt tgattataaa tgtagctgtg cttcctttgt caggaccctc 420
 actctcaatc catatgtggc ctcccatgag gtttacaat cttttacaaa tggcaagccc 480
 aagacctgca cactgctag gtcgagctgg tccactccga gac 523

<210> 42602
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910050h07d1
 <400> 42602

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 acttaaaact atgctcaaac ttaagcattc agggcttact ttacatgggt acaataatag 180
 gctataacaa tgatcatctt acattggact tgaatgcaa tctcaaaatt gagctcttgc 240
 ctttactcct ctgcaggagg ggccacccat cgaccatgct cttttattaa aacgatcaag 300
 gcattgggtg catgctccat tgcaatttca cgcttcacca cagtcttccc aacatagagg 360
 tcaatcttcc cgaggagtgc tcccacatac ccaaagtctg gatcagccat ctcccctggg 420
 ccatttaciaa ggcacccat gaatgcaatc gaaacaccag ggaggggtga tgtcttctcc 480
 cgaatttggtg cacttacttt tt 502

<210> 42603
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910050h08d1
 <400> 42603

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aatttcaaca tctaataata ttaagtaata tacaattcac cttttgcaact ttgcagcaac 120
ttgccatgcc actacaccgc cgttcttgta ctttctttct ttcacagtc aaaaaaactc 180
ccgaaaaaaaa aaaagaaaaa aaaaacctaa cgtaacgtta caaagcacca ataattcttag 240
gtttcttgct acactctaac gagaacagtt ccatttctct tctcttgcca ttgcagcacc 300
cacttgcatt attgttattg ccaacaatag tatctgaacc gggtagtttc aaaatgttaa 360
cccaaagag ccgaaccatc tggatcgggt cgacaaccgg tccgaccggt ccgaacaacg 420
cgacctcgtt gtaacaaca ttctcgtct tccaatcgat gtaaagctgc ttgtccggtc 480
cagtggaccg gtgaaaacaa accgtgtcac cagctttca 519

<210> 42604
<211> 521
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmro02910050h09d1

<400> 42604
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agggtccgcta atggacccgg gatgcacaca tacacaaagt tcaggaacat aaaaaaagaa 120
aagaccagat tatagacttt cacatacttc agttcacacc aaacaaggga cctgcagacc 180
attctcaaac tcaaaaccca ccacgaagac gcaagacaag gtgaagagta gactctttct 240
gaatgttgta gtcagcaaga gtccttccat cctccagttg cttcccagca aagatcaacc 300
tctgttggtc tggggggata ccttccttgt cctgtatttt tgccttgaca ttatcaattg 360
tgtctgaact ttcaacctcc aaggatgatag ttttcctgt caaagtcttc acaaagatct 420
gcatacctcc cctcagacga aggacaagg gaagggtaga ctctttttga atgttgtagt 480
ctgtcagcgt acgtccatct tcaagctgct nttccgcaaa a 521

<210> 42605
<211> 485
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910050h10d1

<400> 42605

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 atacaacata aactgtaacc aaaaaggaga aggaaaaaaa aatgaaaaag aaaaaagatc 120
 acgaacagca atatgagaat tgatgcctga tcggacttca aatatatgaa cttattcaag 180
 ttttatctct tttcctgcaa ctttttcacg ttgttttccc tagacggggg attaaaaaac 240
 cccacaccag ttagagtgtg gctgttaaaa ttcttctcaa tgataaaaaa taataataat 300
 aattcatagc agtaacagaa aaggagaaat cacttaatga aaatcaggct tctctgggta 360
 tgtgcagcca ggcccttggga tgataacatt ggctgcataa caccagctc tcacacattc 420
 ttcaatgggc ttctgcttta ccaattgcga aagaaattct tccacaaaag catctcctgc 480
 tccat 485

<210> 42606

<211> 489

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910050h11d1

<400> 42606

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 catgaaccaa ggatcatgat cttcaaacag aaaatagaat tgtctcaatt aagtaacact 120
 aaccacaaat catcgtcaga tctacgttaa tctaggtttt cctactcca gcccataca 180
 tgaatggttt taaaatgcca agaaacatcc accgcaaag ttaaattaaa tacaacagca 240
 ataataatat aactcatttt tgcctacgac gtatgtcatt tttcagtttt tgaagcacac 300
 gccacaacat gagatttgaa tttctccagc tcggccaaaa cctcatcttc tggctctgtag 360
 atcaaatac tcatgcgcca tatctgcaac gttccccctt cttcagtact ttcacagtca 420
 tcagacacac taacaatcgc ccatggatca tatgcattcc aatggaagtc aacaactgta 480
 tccctatga 489

<210> 42607

<211> 442

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910050h12d1

<400> 42607

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ccaagcagtg aaggagtag cccagcttt tttgataagc tcataacca aaggcattat  180
gagctgggtg ggtccaccac ccatgttccc ccaccccgca gcagttccat tcgcaagccc  240
tataatctta ctggtgaaca ttgtgctcat ccaatactgg catgacacga acgttgccaa  300
ggagaaccct atcaagaacc gaaccattat gtaccccgca gcatttttta caaaggacat  360
gcaaaacacg gttggggccc agagcattat taggaaggcc caccctaac ggggacctaa  420
taggtcacia accgcaccca tt                                           442

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<210> 42608

<211> 461

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910051a02d1

<400> 42608

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aaaagggggt ctctagcagc aaagttacca ggtttccttc tcaaatttga tagaaccaaa  180
tacaagaatc ctgcaaaaaa gaagcttaca aaccatgcat tggtgtagat cacaacaaaa  240
gtgtcaggaa ctgaagttgc aattccaact ttttgcaaga aaccaggaac cacaggtaaa  300
actccaacaa ctagggccag aatagcagcc acattaaacc ctcttgaata cctatatgcc  360
ccataaggac tcctagagtt caaggcacta acattcaaat ttgctttctg tacaatatag  420
aatcagcta gaacaattcc tgctataggc cccatcaaag c                                           461

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<210> 42609

<211> 409

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910051a03d1

<400> 42609

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 tacaaggctt gaccttacgc tttctattct actataactca caccaacttt cttacgatat 180
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 gcgaaaatca atgtggtctc ttcctactac caaagaagtc tggtttgact cctccaaaac 300
 cgttgggtgt tttctaagac acggtgtggt actatccaac ccaggcggcg aggctttttg 360
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<210> 42610

<211> 523

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910051a04d1

<400> 42610

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 aacaaagaag aaaaaagaaa atagtaaaac ttcttcaaag catcaacata cacatatggt 180
 ctttcaccta cctagagtga gagaacctta aatctttaag aaaaatctaa cttgtttctc 240
 atacatctag taaaactgga aaaaaactta tgggtgaatgt ggaaatcgag atgaacatag 300
 aaacaaactt ggagacattt atgaataaca tctgatttgt agtggtttta gtttcatatg 360
 gatccaaaga actgttccag agatggagca ctgaacacat ttgcagcagt tctttcggtt 420
 ttataaggag atacatgaag ttgatacttg ataaacctag cttactgagt gacaatttca 480
 ggatttgaat caatatgcc aacaggttcc aattgccgaa caa 523

<210> 42611

<211> 354

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910051a05d1

<400> 42611

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 ccaaaggac acacattgcc aataccagcc atcaacaccc tgtaccttac atttatcttt 120
 ctcatgaacc ctatgtaatg gggatcacac aatcctttcg ttgcttaca atcacactaa 180
 tatggattta atactccata cctataaagt gactaccgtg ctgaatcacc ctatttaaag 240
 taccatcctt gggaatgatc aacgcgatgct cttgtttgcc gtggccatcc ttagatagct 300
 tggatgacga atctgttccg ggttgaagag aggatctggg atcttggcaa tctt 354

<210> 42612
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910051a06d1

<400> 42612

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 caccacctaa taatcataat ttacatctt tacatacaaa atacaaagac tttaaattaa 180
 aattaaaaaa aaaaaagata aacagatcat cttgatgaaa tgaaaccgaa acccagaaac 240
 attgttttga ttttttttgt tgttcccaac ttgattaagc atgaacgggt tgattgaatc 300
 acttggaatt gaagggaatg gccctgatta cgacctggtg gtagagtgtc gcaagtgcag 360
 caccaatgaa aggtcccacc cagaagatcc agtgatcatc ccaaccaagg tccttgttga 420
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<210> 42613
 <211> 559
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910051a07d1

<400> 42613

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 tttgtctttt cctgggagca gcttgcatca tctttctctc cttctgctca cttttcttca 180

atttccccaa atttgcgctt cctttgtttct atatcccctt tatataccca gcgatatccg 240
 tattttcttca cctccgcata tgactctttc aacactccat catatctcga aacccatctg 300
 ccaagatatc tgtgcttgag atggaaatct gcaatgatgt catgtcgttt aagaaagaat 360
 aggcacatgt gatctgattt gtctaaaaca agttctagat ctacatctcc ataaaaatcc 420
 actcgaatat caccaaacia atgccttggc ccttttgaat ttgaaaaacc cattgctaag 480
 agtgtttcat gaggtacgac gaatattgca caaaacgcaa cgccaatcca attacggtca 540
 tgcataacag gagatgcgt 559

<210> 42614
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910051a08d1
 <400> 42614

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 gccggggcggg agtgtttcac aggatccacc ggttcaaaaa aaaaataagc aggcaagggc 120
 catttcaaac ccctttacca ttttcagcgg ggttttcccc caaattacca ggttggcccc 180
 gggaaccccg cccacttgg gggtgcccgg gcggaaatta agggggatct cccttcctta 240
 aacctcttag tccccaaaaa gggtctccgc cccccaaaaa aaagga 286

<210> 42615
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910051a10d1
 <400> 42615

ctaaaatgaa ttttttttat aaaaacaaaa atatatagga atattatggg gcaggcatga 60
 tatttacaag ctaggtaata gtaatttcat cagtagagtt tgtacataac tctttggaag 120
 atgcttttct gagtaaaatt tctctttcca catagaatgc tggttttcga ggcaagggaa 180
 ctactacact ttcatttggt aacattgaaa ttatttgaga cattgggggt cgatcatttg 240
 catatttttc tacgcatatg agaccaatgt gaatgcatct tgtcacttca ttgagatcaa 300

acaaatcatt aagcgatgga tccattaatt gtagaggcac accttgaatc cataactccc 360
 atgcatgtcc tatcaaattc atcgggcggt cgtcattgaa gctagtattt cttctccac 420
 taataatttc aaggaccaac actccaaagc tataaacatc agactttaca gaaacaattc 480
 ctttcatagc atactcagga gacatataac 510

<210> 42616
 <211> 360
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910051a12d1

<400> 42616

gcatgttgaa actaggaagt gtatatatta tgtaattaac tacaagggtta acttaggttt 60
 ctatatggaa gcattaatat atatataact atgcactata tatattaaaa ttaaaaaacta 120
 aactttctac ttacgtgaca cctaattaaa tgcacgtcct ccatgattga actcaataaa 180
 ctttgccata tatcatacca aatcatgaag caagtgtgtc cccatgacat tactaaacgg 240
 catgttttgt ccttcggcat ccaaaagaga gtactgaact gtttgacact cttgaatctg 300
 atcccgtggg taaaacaatc agctcttggtg tgccggttgc acgaacgcta aacttacccc 360

<210> 42617
 <211> 519
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910051b01d1

<400> 42617

ggataacaaa cagcataatt aagatacatg tgccttgata ggggtacaaa tgcagcataa 60
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 atatgagaat tgatgcttga tcggacttca aatatatgaa cttattcaag ttttatctct 180
 tgctgcaact ttttcacgct gttttcccta gccggggggt taaaaaaccc cacaccagtt 240
 agagtgtggc tattaaaatc cttctcaatg ataaaaagaa aaaaattcat agcagtaaca 300
 gaaaaagagg aatcactcaa tgaaaatcag gcgtcgggtg gtatgtgcag ccaggccttt 360
 ggatgataac attggctgca taacaccag ctctaagca ttcttcaatg ggcttatgct 420

taaccaattg tgaagatat cctccaacaa aagcatctcc tgctccattt gtgtcaacta 480
 atttctctct aagtaacggc atcacggggt aaattttta 519

<210> 42618
 <211> 568
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910051b02d1

<400> 42618

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 acaaccgctt ttccaaccaa caaagacaag cacaccaa atacaacaa aggtaatgct 120
 agcaaaaaca aggcttgtgt ttaatccggc aaagagacca ccattagcta tacacaagtt 180
 tgaaacattt gtcgagttta ctcatataac tgtatcagta ttcagagttt aacatcatga 240
 gcaaggctag cactagaaac tccatgattt gaaaacaccc tctcccagag tctctttttg 300
 tcagcaacca aaactcacca gcaaaacttc ttccgtaacc tagcttcttc ttgactatca 360
 atgtaagcaa gcagctcttc ttgcctcatt agtgcttcat aaagagcctt tttagttgca 420
 attaactctg cttccaaagc atccaccga catacagcag catttaacaa tttttctttc 480
 tcataaggca tctcagatgg cttagattgg agtgtgtcaa ccttcacttc aagctcacct 540
 aaccttttca tcattgagga aaggagat 568

<210> 42619
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910051b04d1

<400> 42619

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 aaactgacat ttgttcgcat aatacaaatg aattgacatt tggttcgata actagaacat 120
 tgaaaaaaag acaagaggag cggggataat agaggatagt ttttcacata tacagccctt 180
 caggcacccc tttttttttt ttaaacaatca ctttatcctt ggccttctta aagtcagcat 240
 gagtcacctt cattcggcgt tctcgtagag caagtaaacc agcttcagta catattgcct 300

ttatatcagc tccagagaat tcattcttag tcataacaaa ttcttccaag ttgacatcat 360
 cagctaattgt catcctcgac gtgtgtatct gaaagatgcg tctccttggt ttgatattcag 420
 gaagaggaaa ttctttcttc ctgtcaattc gaccaggccg tagcaaagct g 471

<210> 42620
 <211> 546
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910051b06d1

<400> 42620

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 tattaagct aaatatcatt aaacaccttt caaagtctta agacataact gtcctagctc 180
 tgtgaatcag aactcaaatt attggcaagg tctttatcat accaagacta atgttccaac 240
 tatcaactta tatatcacac caaaaaccgc gcattccaaat ctcaatgctc aaactcgtgt 300
 ggatctccag gttttttcca cttgaaaact ttagtaggggt tcaacggggg tacggaagtt 360
 agctccggcg tacactgctt cagcaccaag ctctctctca attctcaaga gctgggtata 420
 tttagcaaga cgctcagacc tgcattggagc tccagtctta atttgacctg tagccaaacc 480
 aacagaaaagg tcagcaatga aggtatcttc agtctctcca cttctgtgac tggccatgac 540
 acccca 546

<210> 42621
 <211> 329
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910051b09d1

<400> 42621

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 atcattcaaa agtgagggtta gagatgaggt ttgcttaaaa atgtaagggt ttaattttct 180
 attgtattga cagtgggtata ctcaggcctg tccgtgcttg atccttaatt ttaataatgt 240

caaccaatt ataacagaat gtgatacaat cccaagctcc aacacctgag aaacgacgac 540
gtgtcgaacg t 551

<210> 42624
<211> 403
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051c02d1

<400> 42624

aacaaaaaaaa aaaaccccc ccctttataa aaaataaaaa ctttgaacaa aaggggacaa 60
attccgggcg aggccccaga aaaaaaaaaat gccaaaaaaaa aaaaatttgt tttctaaaat 120
aaaaaagggt tttttttccc aaaaaaattt ttccaaactt aaaactgggg gttttttccc 180
caatcccccc ccccttgga accccccccc caaaaaaatt tggggaaaag ggggtttccc 240
aaaaaacccc ccccgggacc ccccccctccc ccccaaaaat tttttttgga aaaccccctc 300
tccaaaaaaaa agtcccccca tgcaccccc tggtcccccc tttttggttt ggtaagaaaa 360
aacattaaat tcccccccc caagataatt tttttaaaac caa 403

<210> 42625
<211> 457
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051c04a1

<400> 42625

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cactcaaact gggcgacgag gacaatggcg gtgacctaaa atcccctccg aagaaacccg 120
attcgaacc cgttcaaccc gattccgcat acacccccaa tcccaccacg cgcggagtta 180
aagaggattt ttccgagctc accaaatcct tttcccgcc gctctgggga gtcgggtact 240
tactcgcccc gacgcccgat ccccaatgcg aaaagcccgt cgccgattcc aatcccaatc 300
ccactgacga cgacgaacag gaagatatca tcggaggaat ccgcaacgat ttcgcggaga 360
ttagtggcaa gttcaagagc gggatctcct taatttctgg tcccaagaca gtgtccgaat 420
tgactaagat agctaggagt ttgcttcac ttggatc 457

<210> 42626
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910051c04d1

<400> 42626

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 cagtggagac tggttttatt tacagaaacg cattcttcag aatgtcaatc gtagagtaca 120
 caactatatg cagatattca caaaatataa gagaatcata tttaaaaata aaaaaaaact 180
 tacctctggg acatattcca aggcatagtc atattacatc aatgtcatca acattaagcc 240
 aatcattgga atccttgggc atagaattac gagcacttga atgctcagag ccaacatgtt 300
 tgccttctac acagtttaaa tccttatcag agttaggtga acttctacct aactgaaccc 360
 aatctcgaga gtcttttgtt gaagaatcag agcctgatct agttttttta taactttcat 420
 gtacatcacc atcactctcc tcaagatcac tgaatgatac atcctcgtca ttaccagtgt 480
 gaacaggagt tccactggga ccaaccatt 509

<210> 42627
 <211> 445
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910051c05d1

<400> 42627

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 caaggaacta gaaatgtcaa ttttacataa atcagctagt tgcagcttaa gcacttttgt 180
 cagcagcttt gcctaaggag gtgaagttca acctgataag cggcttcttc attggtaaag 240
 gtgcaggagg ccacttaac aatgggtgctg atagctcagc aggctcaagc tctccaaga 300
 tctcattgga gaataaatga gttgaacaag taatttctt agaaataact ggctcttctg 360
 ccactgcagg ctttgagagt aaagattcca tggtgttttt catgttccca ccagaatctt 420
 tggcttgatt tttatactga gtatc 445

<210> 42628
 <211> 477
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910051c08d1

<400> 42628

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 tgcattgctc aagtttaatg gcaagatcag aattaaagtt tgccgaaaga aaaaccactt 180
 tgtaacataa aacggtaata aaacagaact tattgagttg gtccaagacc attattttag 240
 ctgagtgttc gttccttctt ctggggattt ggggaaaact actaggggaa gggggtatct 300
 tatacaattt gaaacacttg caaggggaag ctaggtcatg tacatccac agcaggtca 360
 agaacacttt cgtttattgc ttcttcagt gtcctaaacg gatacagagt tagagatttt 420
 gaagtcaga tcccaaagct caaatgtgcc cttaacgaaa ttgtaatgtg caccttt 477

<210> 42629
 <211> 449
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910051d01d1

<400> 42629

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 ctaaaaacag aaacattttg acacacatgt ccaaaaatca attacaagcc aattttctaa 120
 aaggaagaaa acacagtcac ggacacttgg cagtatttgc ctgtatcaca attaattgggt 180
 aataccggaa aacacctaca cttcctaaca accctatcca ttgaaaaaaaa aaaaaaagga 240
 atctgaacaa caaaaacacc acccgcagca acccattttc attttcattt tcacaaccac 300
 cacctcaagc acgttcaccg cgaatccttt ttgccagctg gatatccttg ggcataatgg 360
 ttaccgcgtt agcgtgaatg gcacacaggt tagtgttctt aaagagccca acaaggatat 420
 cctcagcagc ttcttgtaat gcaagcacg 449

<210> 42630

<211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910051d02d1

<400> 42630

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 agtgaagaaa aaaaaagaag aggaaagaga gagatcatgc taaacaaaga caaagtattc 120
 aagaccccc ccatacctgc acatgccctc ttttttttat tttgtcccc atatttaata 180
 tttctaattt tgttgagcat attacaaaat tcaaccctc cacttaacct gagtactatc 240
 attaataagt aataacacta gctagctagt acatcactc cacttttggg gtgtgtttgt 300
 cacataatgg agcaatatcc atcactttca tactcactc caacatagtg cttgattgga 360
 tcaaatggtg gaggaggtgg tggcagtcta aagtatggag tagtgtaagc atgcatgggc 420
 atgataggag caccaacata atatgaagca atactggaga caggatatgc tgtgttatag 480
 tttaatccat atgctggag 499

<210> 42631
 <211> 591
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910051d03d1

<400> 42631

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 gcttatgtgg taagtatcaa aaatctttct tttgaaattc atcatacatt tataaaggac 120
 agccttcaaa cgggctgggt ttgcacaaat gattaaatga tagatacaaa tattataagc 180
 ttaaagggaa aacagaaaca agaagaaaaa aagaaaaagg gagaaaatat aaagaatctt 240
 tgacgttggg gaaagagttc aatctatcca tctatctctt ttggaagtta aaggcttga 300
 ttgcagcacc aaagattaat gcaaaggcaa cggcgatgcc agcaaccaca acagcacaaa 360
 ttccaacgaa gtcattgttg aaacaaaaat agtcttctat gaattctttc accatcttgt 420
 tatcttcacc cggcattctt tcagttatat ctccaaactg agatgcaatc aatccatata 480
 aggtccaagc cacaggacat gcccaatagt accatctcca ccacacgggc attttaggtc 540

ttacgacgat aaatccttga aagagattcc aaattgcata aaatgcagca g 591

<210> 42632
 <211> 491
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910051d04d1

<400> 42632

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 agaaacatac ataactaagt cagataaatg taagaatttg gttatataaa aaagcatagt 120
 tttctgacaa gtacctcaag atctcactga gaatttgctt cattcatata gtcagatcta 180
 gagtactggc cattattttc ccttggttcac cacatcgatc ttgttggtgt tccttgatca 240
 acctgctgct aggattagag gatgaggata attgagagca caatgagagt gatagggttg 300
 tgctatcaac ttcattggtta tttaatgttc cttcttcagc atcattaatc tttgagttta 360
 gttttagtga cagatccaaa tcaagggttg gatgatctga agccttcctt ttcagtgtct 420
 tcaattctgg ttgatttggt gttgggttta taggcatgag attttggtgt atttggtgca 480
 taatattgat t 491

<210> 42633
 <211> 582
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910051d05d1

<400> 42633

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 gcgtagcttt tttctcccgat atcaaaattc ttcatataga aactgaactt acaatctaca 120
 ggtagtggtt gatcttagag acaaaaataa attataattt ataaatgaga agaaatacaa 180
 gaaacaaaca tgaatcattt tagtcaattc caagacgaca tactggattt ttctttataa 240
 gcccaagatc cacctgcgga aaacaagaaa aatatcaaag gtatgtttta aaaacagaga 300
 aaaaaacaca tcaataaagg accaaaataa ccagatgggtg gtattcagtt caaaatcgag 360
 atgagtcctg cttcatagtt atccccataa aataccttgt gtccaaagag atctctgatg 420

ttatctatcc cgtatagtat catcggtggc ctttcaaggg aaagacccca agcaataact 480
 tggacatctt caggaagtcc catcggtgc aacatttcag gtctgaacat gccagagttt 540
 cctatctcta cccattntnt aaagccttca tgataactaa aa 582

<210> 42634
 <211> 560
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910051d07d1

<400> 42634

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 aaatacggaa tacaacaatt cttcatgaca ttacataaa aacactactt actcactaga 120
 agaattcaat caaccattaa ctacaaaaca atggggcgta cgtggaaatc cacctcgta 180
 caataaatcg acagttgaag aaaactacaa catcatcaaa gtttcctgat ttatgccaac 240
 agctacgaac caaagcatcc atgatccaac ggcttaattc aaattcaatc aacactgggg 300
 agtatatctt caaacgtgcc actgtcgcca taacctacga caaccatatt aaagttcaaa 360
 ccctttggca aaacaccctt aattgaacaa ctacccttca ttcagagcaa gcatattgga 420
 acttgtgcca actttccgt ttctaact aaatacagtt tctctccctc gcattaaagg 480
 gagcaacaca atcctaaaaa ggccctcatt tgtgcatgtt ggtgcattgc aactaaagat 540
 tctacacaaa gacaacattt 560

<210> 42635
 <211> 330
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910051d08d1

<400> 42635

cttcttgctc tttcttcaac ctctccctta aatgtggggc aatgtgggtc tcatccacat 60
 tgcattattac tttgaccttg tcagcttcac gtatatacac cagcatataa gcatttgaat 120
 atttggtgaa tttaaaagga gtgttggtta atccaggatt tgtctgtggt aactcttcct 180
 caccaccata ttgctcctct aatgcccggt tagtgtcttc ttagtcacc ctctcatcat 240

caaatttata ccactgctca gatagagtcg gcctgataaa agcataataa tgtccaccat 300
gcacaccacc actgtgaacc aaaacgctat 330

<210> 42636
<211> 506
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051e01d1

<400> 42636

gaggaataat ccatgtaacc aacaccactg tgatggaaac tcatcgacgg tgggtaggtc 60
tgagtttcaa attaaagatc agaagcagat catttaaaac aaagaccatt atttagttaa 120
cagaaacctc caagtaaact agcttctact ggatttgctt gcattaaagc tcttcataca 180
tatgaattct gaattctcat caacttaaac aaccaataaa cttgagaact acctacccat 240
catcaacata ttagaataga gaataatata aacaataaca aagtaggctg caggcttgag 300
acagggagct aatagctcac atggcaactg cggtttcaat ctttaccatg gcgaacacaa 360
cgcacaggtt caatccctgg cctgtcccct ttcccttccc tactttccag ttccacagga 420
ccttcctaata atttgtgggc ggataatgtg ctacgcattt ccacagccaa taattcaacc 480
atttccgatt tctccagcac gtgctc 506

<210> 42637
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910051e03d1

<400> 42637

gtaggtaaag gcgaaggagt atcattcaac agagaaaaaa tacggcatga ggggaaaaac 60
aagatagaat gaaagcgaag ataacaaata aagagaatag ttccacataa cgacacaggc 120
ggagggggtt tcgtcgctga aagcagtggg ttagcggacc tcagtggagc tggcacgtgc 180
gagatgggaa tagtgaggat catcggtgtt gcggacataa ccggaggggg ctttcttgtc 240
gtagactccg ggtgcgtagg ggtgagcaac gacgtcgtag gggacgtagg gccagagctc 300

tgctttcttg ccggtgcggt gagcgatgcg ggcgaccacc ttagaggcct cgacgtagcc 360
gaccacagag actttgttgg ccttacgctc cacatccacc tggttcacgc ctttcatncc 420
ctccaccgcc ttctcactt tcctctcgca tccttcgcag accatcttca cttttacctt 480
cacc 484

<210> 42638
<211> 524
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051e04d1

<400> 42638

cagaatcaat catttaattt .ctttgattca ttttcaggca gagactaaca tcaacataag 60
atztatatag ttgtataatg tatgctcaaa ttgaatttga cttcattgtc atgaatgtta 120
tgtttcaagc ttcttggtat agcaacagtc agcaccagaa ttcttgttct ttgacaacat 180
aactgcttcc ttcttcaaca ttgcattggt taaaatcaag ggtccatttc tcaaaagagc 240
aattagagaa attataatat cctccatgta gagaaagcaa ctcttttctc actctatctt 300
gtatccaagg atagctgagc aagttcaata atgattgggt aatagattcc ttctcacaga 360
at ttgcattg ctgatcaaag ctaagatgag ctgtggcagc ttttgtcctt tgtttgcaa 420
gttttccatt ggcaaccac ttgtgtatga agtttcttga ttctgcatct tcttgcatat 480
tcatcaaagc ttcaattcca gcgcagctac tatgaccaat gact 524

<210> 42639
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051e07d1

<400> 42639

ggttataggt gatttcataa ttctactttt aaaaaaatat tattatgccc catattctaa 60
ggtaagaacc actcccatth attgacttta aaagaacca actctatcta tctatcaaaa 120
aactgcacct tgctctcaac caaagagcca aaccacgct tttggcgaaa aatctttccc 180
acaaaattgc acaaaaacat ttagagaacg cttgccacct ccaaaatttc gagcggggac 240

ccgcaacttt cgcccagaat cttaacaac c

271

<210> 42640
<211> 501
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051f01d1

<400> 42640

caaaacacag tacattatta tttttttaca tcacttcttt tgcataatca gaaattgatt 60
cttgcatata tatatgtatg gcccacgtat aagtaagtct ggtgtaaaca ttacacccaaa 120
ataagcgcaa gaaacattac tagtatttca actttttttt ttgggttaaaa taaaaaagta 180
acttattcaa tttgagattc ccttttaggtt gttcctcatt attggtggta ttttctactg 240
cagtagttat accctaaggc cttaaaactt gggatccgga ttccccaatc actccattca 300
ctcttcaaca cattcaccca cattcagcaa tttaaaaccg tctgatgaag atcagaccac 360
tcatatttta tctcgttcga tcaacttcaa ttgtctgac ttcatccaat gggttaaaaaat 420
acgctgaagg cgcatgaatg agagtgcaaa gtggagaagc taggcatgag ttggagttgt 480
gtttggtggt gttggtgctg a 501

<210> 42641
<211> 574
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051f02d1

<400> 42641

attgctataa attgcaaccc ttgctcgaat attttggtat acatacttct atttgggtag 60
atattagaca cttttgatta tctagagaat gatagattcc ctcttggttca ttttgaaatg 120
gaagtgcact cagaatgatg ggaaaaatct gttgaggttc aaaggaagtg aatagaagtc 180
ttcagttcta gtatcctggt tgaaggctct gaatttttcc caccagtgtc tcccactgtc 240
tcggcgagtt gagccctctc caccgactcat agttaaattc aagaagtaag caactatgat 300
tgccactgtt gctggggatg agaaaatcac ttgcactata ttgttgaacg cggtggtgcc 360
agtatgaaca gggccatgtc cggatagcaa tacatattcg ttgaaatatt gtggaacaga 420

0954113-032200

taaacccatg aagagagaaa agccaacgat gaacattgac ctataactgt ttagattgca 480
gaattgaagg aaaccaaggc cagctgatgc tacgtaggca tagagaacgc aataaatagc 540
tgctataatt ggcaaaggta ttgaagcaag aact 574

<210> 42642
<211> 568
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051f04d1

<400> 42642

cacataaatc acctctacaa gtagcatgat aagtcacaaa tgagggacaa acttttagtta 60
atatacaagc aagcaacaaa caagaatcta gtcaagcttg cacaataagt gaatgagatg 120
gaaacagaca gaagatgcaa atatagtctc aatgtttgtc agcacaaaat gatcaagcaa 180
gccatcacct caagttcagt gttggcttct tcttcttttg ttgttttgtc aaaagtaggg 240
agaatcgacc aaatccaaat ttctttctct ttgcagaaaa cgttttctga ccattttcct 300
tctcagcttg cctgtcaaag gatgaatccc cgttttgttt gcctagcatc tgaccaagag 360
acaccttcgg ttctgcccag cttctttctc taatcattcc actggcttca tactcttcgg 420
gcatcatcaa cttcctgctc aatatttgtc ctatggacag tgtcggcttt agaaccggct 480
tgacctcatc atttaccaga ttcaacccat tgacatcgat taaccgagat tccttcatt 540
ggtgagaggg gaagcatttt taaacttg 568

<210> 42643
<211> 512
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051f05d1

<400> 42643

aaaaataaaa atttaaattt tattaataatt aaattactgg atccagaaat taaaatacaa 60
gaaattgaat tacttcattc aataaaatat ttacaaaata aaagaaattt aatcaagac 120
aattaaaaatg tgtattttaa tttcctagaa aatttttaaaa ctttcatcca tacacaagca 180
agtttgaaaa gactgaaaaa gggattaggg tatatacaat acaacatcac ttctacaaaa 240

0953113.032200

gaaagagtta cagctacaca taacacaaac tactcttctt tcaggtctag ggacttcact 300
tcagccaaaa gccgtttata ctcatcttga gcttcttgta tttcactttt aagcatcgtc 360
accttgagat taagttcttc tcctgtcttt tcaaattcta aacattttgc atgcagtttc 420
ttgttttggt gcaccaagtg catagtcttt cggtcgaaca cctggtcagc tggagtagca 480
atgatctggt tattctgact gaaaccaaca ca 512

<210> 42644
<211> 505
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051f06d1

<400> 42644

ggcataaatt cctttaaaaa ttttattgta atagggagcc cagaagcaac aaatacaccc 60
cttatgctta gcacaattaa catcatccta aattctgaag acactcctaa aaacctatgg 120
gatccattca acaattacaa tcctaataa cacacaacaa tctcaaaaat cagaaccaag 180
aggccaatt ttaattcttt agggctagct ccatgatcca attagtacca attatttttt 240
catctgctat tccttggtc atccaccag atatttgaag ctgtctttct ctagttagatt 300
gattaattgt tgtaacatct tcagatactg gttcgtcata tgatcaagta tcatccctct 360
agaaagtctg agctttccat acagatctct aggcgtttca tataggtaga catgtttctc 420
atcagaacca ttgtggtttg aattaggaat attttcagac aaatgtgcag tagggactat 480
atgcatgatc cttcctggag gataa 505

<210> 42645
<211> 477
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051f07d1

<400> 42645

accggcaaaa ttgcaaagg catgattgcy tgaatgggtg gtgaaacaag agtacgatct 60
tgattgagga agccaaaata caggtacccc tacttcctaa gtatcataat tatgaaaagg 120
aaaaatagga aaacttaata gaataatcca tcccacttat tatctgaata ttttgactag 180

09531113.032200

atataaaagg agcgaaaata agttaatttt ttttgtcaaa tccaagcctc aaacgaaaat 240
cctcttccat aagaggaagc ccattctcgca gcttaacctt tggttcccag ccaagcaatt 300
ccattgcttt tgttatgatt ggttctctct gtcgcggtac atcaggagtg ttcttcacta 360
cctttatctc cacatctgga ttaataagct cccttcaactg tctcagcaag ttctagcatt 420
gaaaatcacc tggatttcca aggatgattg gtccaatgtc ggatccttcc atgagac 477

<210> 42646
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910051f12d1

<400> 42646

ctaccagtcg aatgaggggtg tcacacgcgc ctanccaggt cttgagttgt gcgagatttg 60
acaaaccaat caaatcgaaa caaggggtgat gttcgaaatg ctgcctttaa ctcattcccag 120
gtcccatagc caagtttggtg caccatgcat atcatgaatc tgtcacattc ttccggtgtac 180
aacttccctt tgttttgccc atactgtatc ttcaactcta gccacggatt cttgtagcgg 240
tccaacttct ttccaatagc cttcatgac tcattcttcc gagaaattct tgccctcccc 300
ctttcaatgg ttttaataat tctgtcataa tcatttaatt c 341

<210> 42647
<211> 562
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051g02d1

<400> 42647

gggaagatat ggataattca gattcaaagc cattatgata catacatagc gatgcgacca 60
ttatcttttt ctatgtacaa ttattgttat tattccatat ataaagtttt ctctgaact 120
tcagcctacg gaataaaaac agcaaagtga ataagtgaga tacataataa aaacaagccg 180
tatcggggccg ggcccaaaag caaaccacga agagcctaca acacttgagt gggccctttt 240
atttggttca tacattttcc acagcccatc atgtccagct gaacgcaatt ggactaccaa 300
ccttatgctt cccatccgtc cattccaaac gtgcgaagct ggctgtccca gacggcatcg 360

002220-ETTES60

aagtgtatgt aaacgacacc gtatagtcct tcttttcgta caattccgtg aaactcaacg 420
tattcggttc caccacagtc ttcacattcg aatcccccaa cgacatcacc gaagctttgt 480
acgttccccg agcttccacg ttagtcaaaa ccctagagta cttcacggtc ttcagagtat 540
tggaaccctt cccaatccc cg 562

<210> 42648
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910051g03d1

<400> 42648
gactaataaa atggaaaaag tccttcgaaa ataatacaata tgggcgtaaa aaccaaakat 60
ctgaaccact cgtaagttac ataaaatcac aacatagaac tccaatgctt ttgtacactg 120
tggtctgtgg accaaaagaa tcattcgcaa gtgcgaattc aacttcttgc cataaccgta 180
gatttttctg ttcgtgtttg attaaaaaaa aatagtaaga atgatcaaat ctataacaaa 240
tcttcctcga aacatttggt gcaaactctg ggatttcatt atttccaagc cacgggggtcg 300
atatcatccc tggctggctt gggtaattca agccttttag gtantgnntt tgtcctgatc 360
cataagggct gggctctgggg ctgacata 388

<210> 42649
<211> 500
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051g04d1

<400> 42649
ggaattgaat gctactaaat tttcattaca tgttttgggg aaagtatgga agtctacatc 60
atcaaagttt gacaaagata gttcaaactt taaagcatac taaattgact gttcaaaaaga 120
aaagagcaat ggcaagaaaa aaggaaaatg ttcaaaaagaa aaagggctat agcaaaaagaa 180
aaaagataca ctgggcagag attgttccgt actttacagt ttaaccatga ggataacaat 240
gacttgatga agctttcaac attcctacag atatctaaaa tggagattaa atcctatttt 300

tcttcccaca catatctctt gtaactattc acaagccagt tttgtatcaa agctagtcaa 360
gcatatggca aaggcctgaa atgcagagag ggggtatcga tagtccattg taaacatatc 420
cttgccaacc ttgccaaact gaagaatgat cttgtcaggg tcagaagaag attgtgttgg 480
ctgagatggg gtaggtcctg 500

<210> 42650
<211> 453
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051g05d1

<400> 42650

acgccaatc actggattga gaacaaaagg gaaacggggg atgccagcat acaggtgata 60
attatatatc agtccacaa attgataaca aacagtagta acattaatgg gacaatagag 120
ttcaacacaa accaaactta ttttcaaagg tcattacaga cccattacac atcacatttc 180
ttcttaaaat gtttgggaaa atccaacatc gaacatcaca cagaaatcag ctccagctta 240
aaacccccca cgaagacgca acaccaagtg cagagttgac tccttctgga tgttgtagtc 300
agcgagggtc cttccatcct ctagctgttt gccagcaaaa ataagcctct gttggtccgg 360
tgggattcct tccttgtcct ggatcttcgc cttcacattg tcaatgggtg cgagactctc 420
caccttgagg gtaaaagact taccgtaag ggt 453

<210> 42651
<211> 477
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051g07d1

<400> 42651

aacaatgaaa aagtacatca atacaaaaaa aatggggata agggactaaa catacatcaa 60
ctctgttgtg ggtagcacia gaaattctgc ttcttattgc aagagcatga tctaccaacg 120
aagctgaaaa taagaattac aatggatccc acttattcca acacacatac tacaaccata 180
ccatatggga tcaactcatat gcagccagac accacatggc atagcataac tattcaaaaa 240
acatggcatc gcataaataa ccaaacccaa aaaataaatg atacaagatt catccatgaa 300

002230 ET 1560

caagacaaga ttcttagcta ttaacaaatg cacaatgctt tctgatctct ccctctgtcc 360
ctgtcttcac cttaattctt cccatttttc tctatggagg ttgcaaacct agcaaagaat 420
ttttcacctg acccttcaag caattcaatg atttgagcct ttgtaactgg attagtc 477

<210> 42652
<211> 393
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051g08d1

<400> 42652

ggggggggca cacaaagggg cacatggggt tatttgatat cacaattaac gaaaaaagag 60
tccaacacca tggaatata tatgccaca ttacaaaaga caaactatca cccaaactta 120
aattagaaaa tcttaacaat cagcagggca atatattgca caaaacaaaa cacttttact 180
accacagttc aaacataggt atcaatgagg gaattcctca tctcatccac aattgcacta 240
ggctgggctt ctcttaactt gaaaacactt tcaatcacia atagctccgt tgcggggggg 300
tcggaaccac aaaatgctgg ccaatcatta actggcattc cagccgctat tactttacta 360
ccccgggtta cgggccagg caccaaagga acc 393

<210> 42653
<211> 325
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051g11d1

<400> 42653

cttctgttcg aaaatacaaa actcactctg ggggttcctg ttaagaacac gataagaaaa 60
tgtcaaaatg ctaaattccag atgtggcaaa gcacaggtgc atcataacaa tgataggaca 120
cgccgagcac acccatttta gcacaataga ttaaattctga taataagacc cctaattgta 180
ctagtctctg tgaaagcatt taatttaaat ttaaaatcca aggactagtc tggggaaaca 240
tgctcacatg ttacatcaat gactttcatt atataacagg aagagatacc ctgtagcaat 300
attataaggt tcaaaacata tacac 325

<210> 42654

<211> 258
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910051g12d1

 <400> 42654

 aaatcaaatt tttgcacggg gccagcaaga acaaaaaaat accagtcttg atccaaaagt 60
 tttttatttc caaatgaaaa cagaaaatat taccataaaa tgtcatttaa agaaaaagaa 120
 aggaaaacta catatataaa taacagcagc aagaatgatt gattgctcta acatacattc 180
 acgttggcca ttatttgtga agcctcagga ggattcatcg tattgaattt ttaactaaag 240
 attgaccacc gcgtgctt 258

<210> 42655
 <211> 525
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910051h01d1

 <400> 42655

 aaaacaaatg cctgttattg ataattaggc taaaaggcca ccggacacgt attattattt 60
 taatataaac gtacacaaac aaactctaaa cgagtttttt ttttttggtg gttgttggtg 120
 ttacaaacc caagcaagtt tgaaaagtgg tacacaataa tgaaataata tatgaggcat 180
 ctcagatggc cacactatgc aaaacaacag tttcaatggt aagttcaggt ccaaaaccga 240
 acaacacacc ccattcaagt ccttcacctg tggttttatg tccattttca gcagatttcc 300
 tcctcatctc atccaagatg aaaagaacac aagcacttga catgttccca tattcactaa 360
 gcacatctct agtggccttc atcttctcag gtttgagacc caacttttgc tcaacttggt 420
 ccaaaatcgc aggcccacca ggggtgtgcaa tccaaaagat ggagttgtaa tcagagatgt 480
 tcaatggggt gaaagcctca aaaagtcct tatcaatggt ttttg 525

<210> 42656
 <211> 563
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910051h02d1

0953113-032200

<400> 42656

acaagaacat gtaaattttt catatattgg aagggcactt taattacagt ggaacaagaa 60
gtagctagcc aagacacaag tagaagcccc caaggtcatg caagtaacaa aaaacacgag 120
cagaccacaa aaagatcact acgaccctct gatttcactg cctaaaattt gcaaccctcg 180
tgtctcagca aaacatccgc aaatgtcaaa aaatccattg cagaagcagc caaagacact 240
agcgaaacat aaacctaata aattacaaaa cataataagt acatactaaa acccaaaagc 300
agagcaaaac caaaccaacc atttgacata acgaaaattc accgagtcac catatagctt 360
cccaatcaat ctccacagaa gggaacttct ccaacccaaa attctccatt tcatccact 420
gattattaga atccgagaag tccgagaaat ccaagaaagt aacactggat tcaggcgaag 480
aagattcacc agaaaacatt ggggttcttg gctcgacctt aaaatcctcg aactccgat 540
aaacatatc agcgttcgat ttt 563

<210> 42657

<211> 542

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910051h03d1

<400> 42657

aaaaatcaaa ttaaatgatt atttatacca ttttacttg atttgtaatg caatcacaga 60
aaagttattg gcaaacacaa gttaggggtga tacattaatc atctataagt gtaactttga 120
tctcacccaa gaaaaatgaa aatcaatcaa tattatatac accagaaaat gaacaaatct 180
acaaaggcaa aatgtacctt ttttccatcg tgtctcctga ataaggcaaa aggtaaaaac 240
aaaagagcac tgcagtgtgc agtttttctg gagaacctga aatactaata tgaacaaatg 300
aacatctcat tccaacgac atcacttttg tcaaaattca actacaaagt tgactacaca 360
attgctggat ctgggaactg gttggatttt ccatgaagta tgtactgaat ttaccagtgc 420
ttgagcatgt tacgttcagc tgggtgccaa gttgggttga ctcgcaatat gctgcctctg 480
tatggcagct ccattttgaa gttggaacgc aagacagata atggcaccag gagcagtgat 540
ca 542

<210> 42658

<211> 385
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051h05d1

<400> 42658

ggaggaaaaa tgtttgaatt aaaaagctta gtaaaccctt tttccaagtt ccaacatcct 60
gaaggcaact aatttacatc cacatcaaag ggtacttggt tttccccatc ctctccttgg 120
agagaaaaaa aaaggggaga gaaggggggc ttactaaggt acatttctat aatctggata 180
atcccaaaac tttgttattg aactactaaca ttgacattca catccaaagg agaaaaaaca 240
ttccctgtat atgattcaaa atcagcaggt gacacttcca agtcgccatc aaataagctt 300
ccaccagttg acgacgcacc attgtctgaa tcagccttca ccccatgaaa ggaatcccca 360
gtaaccagcg cttgaagcaa cttgg 385

<210> 42659
<211> 529
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051h06d1

<400> 42659

gataataata ctaaataattt acattgtttc gagaagaaac acggctcggg attgtgaatg 60
aacttcaaca gccatcatca tactcaaate catctggtat tttttttgtg tagaagataa 120
taatcacact cttgaacaaa atgcagttca aggagctgaa aaaacaagcc atcagctcat 180
aacacaaaat aaaagaagaa aaaacaccca ataaacaaaa aattcaaaga gtgttttgaa 240
tcaccacata acctttaacc aaactcattc catccaagca ccttcacctt ctttcaaate 300
aaataaccac acctaaactt gtgcattcta tatatgtaaa aacaactacc aaaaaaacgt 360
acaccaccgt cttcacatgc tttcatgtcg acctccaate aaaaatggag ttttaattccg 420
ataaccactt ttgatcttta atgcaaacct ctattacaca catgagaccc ccattctgag 480
cttactacgg ggatccaagt tgatcttcaa tgcacgcatt cacaccaca 529

<210> 42660
<211> 499
<212> DNA

002260.ETTES60

<213> Glycine max

<223> Clone ID: jC-gmro02910051h07d1

<400> 42660

gaactggaac ataagctctc tcatcatctt aggggggcag ggactaggcc ttgtctcaaa 60
cacgcataaa tgtaatgaca atcatcacac aaacgctata aacaaagaat agtagtaatg 120
tgcagaagag aggaagagta gataatatgg agttttctat tgaagcttat ttgaaatact 180
aatataatca gatgagatga gcataaaaga gaatggccta gtatcggcta taaacaggat 240
tggatgatga attttcaaca gcgaatgtga aactttgaac agttgccttc aaagtactga 300
ggactataga cagaagtaat ggaggcttgt gaaatcacat ccaatagata atgagttatt 360
ttcaagtttg cattcccgta tctcgcggct ttgtctggtg cttctgctac tgcttagagg 420
gggcggaact ctgacttgag agttgcacat tagatagcga aacagacca ccttggtgaga 480
aaattagacc cacagaagt 499

<210> 42661

<211> 489

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910051h08d1

<400> 42661

agatcatgat attgttgtaa ctttattata gttttcttct tctataacag atcgaaatca 60
ttgacttatt ggcatagtaa taattttttt attatgatgt aagacatatt tgatgatttt 120
attggcatag taatagtagc aataataata acaaccaa at cagcagtgtt gtcattgttca 180
ataaccaa at ccattctatt catcacttct gctatgaatc caccacaaga gattgggtcaa 240
agagtttcca ccatcaaaac ctttcaggtt tcttatcttc tgcagtgcac tttcattgtc 300
ataaaccct tcaagggcat acacaaacc cttccatcct tcaccaacac caccctccct 360
atcaaagca ggcaaagtcc actccacaag ctcctttaca aagtcaacat tggagaaaat 420
ggcttcagaa ataggagcca atggtttagag ctgaatgcc agcctacact ctttccactc 480
agcaggagc 489

<210> 42662

002220"CTTES60

<211> 395
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910051h09d1

<400> 42662

aaaaaatggg gtattaaggg ctcaaatcac aattgtccac caaactcaaa tcacggaaag 60
caacattatt aggatctttt tgcaataaga ccacttcca acatgtaaca atacaacatt 120
tatttttttg caaactacag ctaccttgat tgaggacat tttacattac atccttcact 180
caaggactcc attgtccagt tttaacagag caagatgtct aacttatgat gttaaacaag 240
ccagtccagc aagttctggg gggccttttt tgccaccttt acggttgctg catcttcagg 300
gttatatctc acagcccaac cgggtgaaac tttgggaaat attttaacaa aactggcaac 360
cccaaattta gcagctagga cttgttcaaa ttgtt 395

<210> 42663
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910051h11d1

<400> 42663

ataaatgaat ctctgaatt ctgcaattga tcagctaaaa ggcacgggg agtaatacaa 60
agtatcaagt gcgctccagc tagacattat tctctcttgt gtattacttt ctaggttctc 120
ccaagggtgtt tccaaggagt gggtatttct ccttaaattt acatggacat aaagacacgc 180
agagacatta acagacgtcc acacctttta taattggtag gcaactctat ttttaaccatt 240
tagctcccac ctgccttggt gctttttacaa agccataaat aagaaccaca tgtagaaact 300
taattattta taggcaaaaa acaaagtgga atgatctatg gggnggacgg cttagctcga 360
tcttgtcaga aattttcttt tggaaggcct acttggtgga tgtgttgtga gagaaatcca 420
atgctagctg acgaaactta tgggtgaggg ctgatggccc acagtaaaat accccaac 478

<210> 42664
<211> 561
<212> DNA
<213> Glycine max

002250"ETTES6

<223> Clone ID: jC-gmro02910052c01d1

<400> 42664

gataaaagga ttcaatggtg ttatattata aacaacagtt ggcatgctgg caatgaatga 60
tatccattcc ccaaaagcat ttcttccaat gtgatacaca ttattttgaa gtgtttttat 120
tattaaagca tacaacagaa aataactaata caaagaagac atattataac gcaaacttga 180
aaatgaatca agttctattc gtcaagctca ataactctca caactgagga gtcaccaact 240
ttctggcata caacaactcg atcatgtgcc tttatgatac caaaagcctt gccatgggtct 300
aaagcaacct tcaaaattga ttcatttggt gcacttttag actcagctgg atgtcgtgga 360
tctgcaagca tagggaaaag acctctcaca ataagtgatt gccttgcctt caaagctcca 420
gtgaaagtcc atcgaagttg atttgtcttt agttgaggaa tgacaacgga tatcacaggc 480
atggttggac ggtacttagc atcaaccttg cagccctgcc agatgaagta aagcacataa 540
taacagaagc cttaaccttg a 561

<210> 42665

<211> 550

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910052d01d1

<400> 42665

gagaaattaa atactttcag tacttattat tgggaacaca gggtactaa tataaataac 60
gaatccccct gacttgataa taatctgttg gcccttctta aattaaatga ctgaacaatc 120
ggagcgaatg tttccattct gtgcattctt gattccaact cggccaatt tggatcatagc 180
agcggcgaag ttggcatgga agattttgct gctactagca aatgcattta cagtggcctt 240
ggatcttgag tccgtgaaga gaacttggtc tgaagagaag aggcccttcc cttgctgaag 300
attcttgaaa taaacattgt cgaatgaccg cggagtgcct gggtccatat cgattgcaat 360
ccttgatcc acattccttg ggcacattga ctttagctgg gttgcgtatt tttcgctcag 420
tgtagggtcc actcgacttt tgctcttgaa attgtatact ctgttcgaga atttgttgca 480
atgggagaat ccaacagtgt gagcacctga tagagctatc attttcgttg ggtgaaaccg 540
ttggccgcaa 550

<210> 42666
 <211> 491
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054a01d1

<400> 42666

atatgactct ggtgttattt ttgattttgc aaattaaatt acacaatcac agccgtacat 60
 cacacatgag ttgggcctct tccaacttaa aagcagagga taacattggc ccatgacgcg 120
 acacatgcac cacctaataa tcataatttt acatctttac atacaaaata caaagacttt 180
 aaatttttaa aagaagaaaa gagataaaca gatcatctta atgaaatgaa accaaaaccc 240
 acaaacattg gcttgatttt tgttgttgtt gttgttccca acttgattaa gcatgaaccg 300
 tttgattgaa tcaattggac ttgaaggga tggccctgat tacgacctgg tggtagagtg 360
 ctgcaagagc tgcaccgatg aatgggtccca cccagaagat ccagtgttca tcccaaccaa 420
 agtccttgtt gaagatgata gcagcaccaa gactacgagc ggggttgata ccagttccgt 480
 ggatgggatg g 491

<210> 42667
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054a02d1

<400> 42667

ccaatgaaca tgacaatggc atgggttatt attatacttc acaatcagca tttttttgtt 60
 caagactgat aataaccatt aaattattgg catggcaaca atcggaac gaggggaagg 120
 aatagaagaa aacaatgaac aacccttgcc agttagttgc accaaccaac agggcaccaa 180
 ccatagtacc aatcaaaagg taaaagaga gagagaccaa ttcctactaa gaaaagcat 239

<210> 42668
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054a04d1

<400> 42668

ctctactagc atttatccat gcaaagtgaa ctgatgaact aacatagcta ctattaatta 60
atcaaatact acagtgataa aacaacccaa aaacaaaacc aaatttcaag cattccaatc 120
aagattacat tacaaactta ataacaaaat gatattttaa aaaaatagaa agaattccac 180
aaggatgctc actattcagc atccaaatta tcatattgcc aagggttgaa ttctggctcg 240
atgtcaggca cttcaatgca ctcagaacta tcaacggcag cacaat 286

<210> 42669

<211> 392

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910054a05d1

<400> 42669

ggcaaaagag catgataaac ggaggctata aatgcaaata tggggaaaat caatccaagg 60
tttctctctg aatccatgcc ccaagaactt actgattatt ctatgaaaga attccatttc 120
gaaaacagac tctaagctac cgggagtgtt ctaaatacac tccatatagg cgaacaaatc 180
tacaaactga aaatgctata agttttaaca accaaactca tataagtaga atttctaagc 240
aaaaaatgca gtatctttga ggccaatttc acttacacct gctgttcact agaatacatc 300
ccatttggtc cattgacacc atgtgctgtc ttgctatctg aggaccttct acttaacaca 360
acgatcgatg tgtaggcctt caaaagcatc ag 392

<210> 42670

<211> 368

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910054a06d1

<400> 42670

ggtaaaacaa aattttcttc cttagaaca atggattaca aagcagtgtt aaacaaaaaa 60
agaaagggta aatctacata ttttcaagaa gtctttggct tcgggaaaac ttttttctcc 120
atgaaattga tgaaacgctt accatatgtt tttggttcca ccaatgatat aatcataggg 180
tcatattgca gtgatttgca ggcatgctta agtttctttt ttacagtgtt ttcttgcat 240

atattaatta tgcccatgta tagcgaccac aacattaacc tcaaaaaggt ctacttatga 300
 ttccttcacc ttatccccct gaagtttgcg tggtgcttga gccggaatgt ttactttctaa 360
 ttgcaccc 368

<210> 42671
 <211> 495
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054a08d1

<400> 42671

aagcaccaag ggggcttggt atacataaac ataaagcata gtattacaag ggactttggt 60
 tgacacaaac cttaattaat tgatcaatta tcttagtaca cactttaaaa tggtcattat 120
 taattataat tatatgatga gttaataata tattgggggtt agggcttggg ataaacgacc 180
 acttttcttg gggctcttga agtttttaag taggaaatgg ttttaataac ctgagaaaat 240
 ggcactggag ttttggcatc gagtataggc ttcaacttac cactctcaaa ggaaggggctt 300
 aaattctcta agatagatcc ctttgagggg agcacaaaaa acatatctgg tggatgtcca 360
 ggtggcacta ttgtcacaac tttcccatct tccttaacgg ccttaaatgc tttatcacct 420
 tgccctacta cattatacac taggatcggt tttttctgga gggctttgaa aagttttcct 480
 tttgtgtaac caata 495

<210> 42672
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054a09d1

<400> 42672

attggccgct ggaatttttc acaaaagcca ttaatttagg ctaacaaaat attacagtaa 60
 ttattttcac aaacaaaaaa atattacaat cagattagca actgtatttt tcatttgatt 120
 ctgtgcaccg ctgatgtcac ggcataaata ggttttactc taattcacct catttgatct 180
 cagctaccta tgccgccaat agaattggca agaggaattg aagaggaagt acaaaaagga 240
 aaccagaaac ctogttccta taccattaac tgtgccattc cattgtctga caaagatcaa 300

tgccttgta aacaataaag ctgacgaatg tttcctgaag catataacca gtccttgaag 360
tagacatgaa gtgcagatga caattctcgt ttgcgactat cttctaaagg tgcttctcgc 420
aagagggtgcc ttatctcccc taaattatct tgatttttat gctgagatac catatacgca 480
tttggtaac 489

<210> 42673
<211> 581
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054a10d1

<400> 42673
agtcctgaaa catcatataa ttggttctgt ggttctacat tcaaagacat tgtgagaaaa 60
tcaacatgaa aaagactaat aattgcagaa gtcaacttca gaaactgaac aacttgtaa 120
aggtgatacc aactaccaag tgccacctta aactaagggt tcagcagggc cattgttatc 180
ctccaagcta ataagggtta aactaaacac aaagaaactt ggaatctcaa ttatgcaacc 240
tatttattaa atccaacaca caggggtttg atcctcataa caagcaacta acaaccaaac 300
aagtagtatg ccaacttcga tgagcaaaaa attcacaggc ttcaaaaaca aaagccagag 360
aagcagcatt gttttgtgac aaacaaaact gcagcagcaa atctatgact actaaagacc 420
tggtatgtct aacctctaca ccttccttct tccattggaa ttccccttgt tcctttgttc 480
ttgatcagtc tccgacacag aaaatcacct ccgtttccat agcacacgtt gattacagca 540
gcagctgcaa caacagcttc tggagaccct gttgcaccac t 581

<210> 42674
<211> 286
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054a11d1

<400> 42674
aatccaaac tcttttccat atattatcca acatgttaca tgaaaggatga aatatataa 60
ggaaaaaagg gccaatcaaa actatgaatc aatggaagta attggtgtta gagactcttt 120
ttttggcaca tataaatgaa aatatctaa gccgcactgt aatttctcct caaggatttg 180

tggtataaaag ggggaggagt ggatttatta cttatatata gagagagctt ttaactccaa 240
gcttctttca ggaaatcaat acttttttcc ttccaagagt cattta 286

<210> 42675
<211> 568
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054a12d1

<400> 42675

ccacaataca taataattta ttaaagatcg agaaatcgta aaacatgtcc atatgaatca 60
ccaatcatac atgatacata atttaatat aaaaattcag gtgcttcctc ttagaagtcc 120
ttatcttcag gcttgagcca cctctactgt ttcagaacct ttgtttatct caacaccgtt 180
tacacctttg tcttgattgg taccacaggg ttctagcttg gtccccttct ctgacttctt 240
ttcttcatgg tctgtttcat gctcaciaac tgagatgcc aaccttggtt gacataggac 300
ttcttcggta atccattttc tcaattgact ggtagccact tcatctaate gtggtacggg 360
gtgaccttgg ggatgcctta ttatcagggg tttgtcaaat gcagatgtga gatcctcaga 420
aggaagtttc agccaatctt tttccccaat gaaatgaaca gatttagctt tgatgggtgc 480
tttgtaggca acatcgcata tgctgggatt tctgaatttg catcctgata ttgatatgag 540
aaattttatt gggggatgct cctttagt 568

<210> 42676
<211> 362
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054b02d1

<400> 42676

ggtccgtgaa catgctccat ttcataagt taactgaggt acagaaaaat cacaagtgt 60
tagtcctcaa attgaagcta cttttataaa tcagatgatt aactaaatct ctgggcctct 120
aaacataaaa ccaatatgga agacttggca caaaaataac tttggaggaa gttacacatt 180
cacaccaaac aaattccttc cagcttcaga ataaacttct tgattgcgtg aaagcagaaa 240
ttcaatcaat cagctggatc taattctctt ctggttgact tttccatcag acttcaaagt 300

cccactggag tcaccttcag aagaagcctc tctggacttc ggtaaggaat taggaaagat 360
ca 362

<210> 42677
<211> 478
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054b07d1

<400> 42677

aaagttcggg atatcacaaa aagatttggc ctaaaaatag aacaacaata ataatctcaa 60
gccccaaagt aaattatcag tgtcacacgg aaccctcatg ttttgtaaaa aaaaaaatga 120
cccagtaggg aacatagaga gccaaaactt tgattacagt aaatctcatt tcacgttgac 180
atgcaccatg tcagctataa cttttatttc caatcaacaa ctacttccat gggaataaaa 240
tgtagaaaact aaaacctcgt gccaaaaaat tttggaaaga atacaacatc catttggttac 300
tctcacatgg ctgacagggg gttagtagaa gatgttgaca ttgcagctag aacttcagta 360
accgacgcca tgacacttag agcagctttc aaaacctcct gggggcattc tggcttcaca 420
atggttcgaa cctgttcaag gtactcctga agttttttta tgcgggccat gtagtcct 478

<210> 42678
<211> 490
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054b10d1

<400> 42678

atccctacca aggtgactc atgttathtt gacaacattt acattgggtca tatgagacac 60
ggttatcat aggtctcctt tccaaaacaa ggtgattctc agagttcata agctggaaat 120
ttagacaagg aaggatcact catttccaaa aagaggtgag ccatgcccc tagcccttca 180
aacattgaat atggttttatc acccccatgc attttccctc gagatatcaa cttatgagct 240
ctggcaagca aaaagcaagc aaaagctttg gccctgtata agtactttac ataccggga 300
agttggtcca gtgacagaaa gacatatgca ttcccaactaa taccatggca tatcccaact 360
tttttaagcg gaccacgatg ccaaaccact tctgctgctt ctatagcggg atccaggaat 420

tctttatatt taaaaacctt atgtgttttg acaagggtga gtgccattcc aggagctcca 480
 tgacaccaat 490

<210> 42679
 <211> 452
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054b11d1

<400> 42679

aaaaacaaat atgaaactat ggccttgcat taaaaaaata atccggtcta ccactaatgc 60
 ttatggaaca tcaaatcatg tgctttgtct tctttcacat gatatgaaaa cgaaaatgaa 120
 ctcatgattt tttatactag gatgacttcg agaataaaaa ttgtattgag aacgcattcat 180
 tattaagcta gaccaacggc ctactttgat gatgatctac agaattgggc agagtcccca 240
 actctgcac agttgttgat tttgcaccat tgacccttgc agaagaggat aagaccctct 300
 aggtcttgga gctcgtgaat ccgagactag gcaacatctt tgagggggatc ccgatctcta 360
 tgagcagtag gccactccca tgccggactg tgaatggttt cagaaacatc agagtcgact 420
 atagcaatga aactggcttt cttgccgtcg tt 452

<210> 42680
 <211> 321
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054c02d1

<400> 42680

ataaattaaa attaatataa atatccattt ttttaattatt cccaccccc ccaaaactgc 60
 caaaaaaaaa aacaccaaaa aaaaaaaaaa tattaataaaa aattttcccc ataattacaa 120
 aacacgctgc tccacaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaacc 180
 ccaaaaaaaaa tatccccccc aaaaaaagaa aaaaaaaa taatttttaa aaaaaaaaaa 240
 aaaatccgcc aataaaaaac aaaaacaagg gattatTTTT ttttctacca aaaaaatctt 300
 tataaaaaaa aacccccaaa a 321

<210> 42681
 <211> 516
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054c03d1

<400> 42681

atccgatgtc gaaaagcact tgaaacataa atgccaaata gggaacaaat actacccaaa 60
 aaatactcat ccaacaaaac tgtagaacga tgaaaaattc tgtcaaact atcgaaagac 120
 aatatattag gtgcgatcag aaattcactg aattttaagaa caactcaaaa gacacggtac 180
 gatttcccca tgggtactctt cagatacagg cagcgaacgt tctgccaatt ctttttcaac 240
 aaagagacaa ggaagttaac actcagttgt acattttgga agatttgctt ttccctccatg 300
 ctaacattcc ccacggctac tcccatgcaa agcaccttct taagctggaa cttcaccatg 360
 gccttggtct cattaacctt tgactcgaga gattcttggg gagtcacaag cgtaggggaa 420
 ttccctgcct tggtgagacc aggtcccaag agacgaggaa tctgcttgat gactgcttca 480
 gaggccaaaa aggcattgata ttttatggct agtttt 516

<210> 42682
 <211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054c05d1

<400> 42682

aaagaaacac caatcatcgg gcatttagtt ggattgaaca ttgagagctt taaaataata 60
 gcagtttcat attgtcttcc ctacaaacaa caggttacat aaaaacggaa acaaacagaa 120
 ccagttttat agaacagtaa tggaactag atctagccgg aacagaacca tcccctcaaa 180
 agagacaatc aaccggcaac aggaagttgc ggcattgtat acatcttcaa gccaccgcaa 240
 tacattacca agttcaaaat cacatatcat gttggccata ctctctctcc tctcttct 300
 cctcactc atcctcatca gcagtggcat cctgggtactg ttgatactct gacacaagat 360
 cgttcatgtt gctctcagcc tcagtgaact ccattctgtc catgccttcc ccggtttacc 420
 aatgcaagaa ggccttctc ctgaacatag caaagaattg ctcaacttact ctacggaaca 480
 tctcctgaat ggaggtaga 499

<210> 42683
 <211> 357
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054c07d1

<400> 42683

ggacttaaaa aagccactg catattcatc aaagcattat taaagccac tggattctaa 60
 cagcacacct ccctaaaaag gggagattcc aggttttgcc caacatacac cacacacct 120
 aatttatttt ttatacaatc ttttggggcc caagatgcac atgcctgggc taattaaaca 180
 acaacgtttg gctgataggg cgtgtccata aataaattgg ggaccataa aatggccttg 240
 cttccaagga aatggcaaac cggggtagtt ccaggatcaa ctcccatgag ttcatgaagc 300
 ctgtgatgat tcattccaga agtttctgag gggcgaacaa caagtggctg ggttttg 357

<210> 42684
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054c10d1

<400> 42684

gaaattcagt agatcaatct aggagggaag aagtggctgt ctgtcatcat gtccaacacg 60
 atgagtggcc tcctcatttg ctccagctgc catatttata aaggattcct ttgaccttg 120
 tttgtcatga acatcatgca gttccagcac accattttgt tcatctttaa cttttgaaag 180
 tggtgaaaag aactggtgca ttgagatgaa tacaatagag atgccaataa cgaagttcat 240
 tgtaaagta tgtccaaata gtacagcaga tgctatacca gtgaagattg ttgctactgt 300
 tgatgagtac ttcttcaaaa ttgtatctgc atatttgaag aagaaagagg ataaaatccc 360
 ttgggcagca ttgtttgcta tcaaaagcat tgtggctttt gaatgacctt gtaggatatc 420
 aaagctgcta ggccctttga caacaacagt cccaagtatc ccaagaaaat tgaatatagc 480

<210> 42685
 <211> 501
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054d01d1

<400> 42685

aaagaaatgt attctatact tctcttcatt taaaaataaa taaatagaga taattacaaa 60
 ataaatgagt caaagaaatc aataaccctc caaagtaatc ataatgattt attacaaaca 120
 gtaacgctaa cgcataatttc tcaaagccta aacacgtgct acgaatggat aacaaagaag 180
 agaaaagctc ctaaaaactc cggcaaattc cagttaaadc caaatcaagg cttcaccaga 240
 aacaatccat ctccgtgggc cattcagtat cctgtgggga attcgcagtt accataactta 300
 gggggctgag tgacgacata agcagtgcca ccaaaatcgc acgtgccgga tgcacgtgcc 360
 ttcttctgat agtaactgtt gaaggcgtag gaagcatgtg cctccaaggt gttaggattg 420
 taacacgtgg cacctggttg aattggagtg caatcaagcc caccctcttc gcaagcgtag 480
 ttaagagcgt tctgcacttt t 501

<210> 42686

<211> 489

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910054d04d1

<400> 42686

gaggactaaa gacaagatat gtcatttaac aagacagaat aattcctaca ggtaaagtgc 60
 ataacaattg agtataccat ctaataatga aaataacgca aataacataa tgcttaaagc 120
 aacgttcata tcagaaggga aaaatagttt gaatcccatc caacaaaaat catgcgatta 180
 aaatccaatt aaaaaagcat aaagtaaaat aagtttttaa aacaggtatc tggaggaaag 240
 caactacatt tagtccactt cctcaatctt ggggccagca ccacttcac cagaaggagg 300
 agcagcatac tcactctctg ctgcaccagc accaccacg tttggaccag caccaccttg 360
 gtacatcttg gcaatgattg gattgcagat gctttccaat tccttcattt tgtcctcaaa 420
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<210> 42687

<211> 572

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054d05d1

<400> 42687

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agggttccaa acatggcccg tatttctttt tctatatattg acatactata ttacaagatt 180
aagataaaca gccgattatt tatggtactt tatgccaata ccaacttccc agattcacat 240
attgaacggt acgttaattg ggtatgagct tgaaaggagg ctttgaaaga gatggggatg 300
gatcatatcg tccataatct tttgtgtag ccctaagaag cctctcatgg atgggttctta 360
cttcttcctt attcagtggg ttccttggtg ttcctcttc gattgcattc acatctttag 420
cgaagttctt gatagagttg gatcgtactc tacctgcaaa ggaagttgat aaaagtgatc 480
cagatatgag gagaaagagg aggggtgaact tcttgagaag catgagagta cccataatga 540
tttgtgcaac aacttgataa tattttctac gt 572

<210> 42688
<211> 446
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054d07d1

<400> 42688

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aaagcagaaa aaactctaata taaacagtcc caatcccata ttatcattgg actcttcttc 180
cacctttttt tcttttttct caacagctgg ggcagcatta actgcggtag caccacctgg 240
aggggcagtt ggaacaggac caccaccacc ttcaacgaat actggaccac cactattacc 300
tggaacacaa cggaggtagg agacacggga gagaaagagg actgaacttc accgggggaa 360
tcaacgggga gagcgggttg caccagcttt cgttggagat cgaaggggga atcggcggag 420
gcctctatgt ccccgaatg gtgctt 446

<210> 42689
 <211> 345
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054d08d1

<400> 42689

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 gaacacaaaa aaaaagagcc ccgaaatccc catccccggg aaattatacc cttttgcggc 120
 caaagaaacc ccggctccaa aaaaaaaatt ttccgcacac cggcggggca tacaccagcc 180
 cccacagaa actgctgctg cgaggaccaa gaaggggatg ttcattgctc gtcttccccg 240
 gcgccccctt cttctttttc ccaccccggg ggggggcatc accaaggacc ttgtccggga 300
 ccctattctc aagccccccc gtggggtccc catgggggtg aaaaa 345

<210> 42690
 <211> 538
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054d09d1

<400> 42690

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 gactagagca gtctccttta tggcatataa tcaaacaccc atgataacta acaggttgaa 120
 attgaaacaa acataaccaa accttattct acaggggtggg ttacaggttt aagcaaatat 180
 tgggtaaaaa caagtttgaa aaatactcct ccactttatc aagtcttata aatactgatg 240
 aattgcacct tttacagaca tctaattgatg tttagttcgg ctcccttgacc tgttcctgct 300
 tttctgggaa acactagcac tgcttctatg cacactggag gaacttgacc ctcccttgacc 360
 accacctttc tttagtgtc ttctgtagga gttccggctg ctgttcccaa gtgcagcttt 420
 ggcaacacta tcagttagta tttctcgtcc cctttgaggc ttgatagatt gcttggtcag 480
 gtacacaagc tttggaagaa gaccacaaac tactttgcgc agctgggtcat cactgatg 538

<210> 42691
 <211> 473
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054d10d1

<400> 42691

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gaatttacac gtcttacacg tcacactaaa cgacaaaagc aggcttacag aatatagaaa 180
atttagaaac actccgaagt ccgaaccaa tccatcacca cctctattat ccattccctg 240
cttcggttcc catcgaccaa tatctacaac cattacacaa cctcgccacg tggcagtctt 300
cagacgaggg tcttgcatgt cgaagtctgc ggggtcccaca tcgctggcac gagatacctc 360
cttccattcg caccatgcgc attgtaactc gccccggttg ccttatccac gagaaccgga 420
cccgataac ccgggtacga cccacttccg aaaacaccag tgcaagccga aac 473

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<210> 42692
 <211> 559
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054d11d1

<400> 42692

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ggacaaatca gttcacaacc aatattatgg agaagaaaca gccaaccctt gcattcccaa 120
ccaacaaaca aatgaaggaa acgggggctaa ggaccaatgc tttttttccc tttcttattt 180
cttctgaata gaagagagta gcagacgcac gcacgctcct tgttgctaac gtcttttttc 240
cgcttgtctt gaatcaagtc tatgcagaaa gcctcgact aagctcggct gccacggcat 300
cgatgaattc ctctgtgttc aaataatgct cccttgacag cttggatcca tgaagaataa 360
gtgcaaatic cttggtcate ttcccagcct ctactactcc aatgcaagct gcctctagct 420
tttcagtga atccaagagt ttagcattgt catccagttt tgccctgtgg gctagccctc 480
ttgtccaggc aaagatggat gctatgctat ttgtgctggt ttcgcctccc ttctgatgaa 540
ccctaaaatg gcgggtaac 559

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<210> 42693
 <211> 528

<212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910054d12d1

 <400> 42693

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 ctaaaaatta actaaattca tcaaaagtaa tacacaatat tcaaaattta aataaatgaa 120
 gtacaaaggt cgaaatcttt ctggccacaa tactggttgt tgggttggct taacgattag 180
 ccttggaac tctctcaatt tcctcctttt tcttgatagc ataactattg gatgaacctt 240
 tggctgcatt aataagttca tcggccaagc attcagcaat tgtcttgatg tttctgaaag 300
 cagcttcccg agcacctggt gttagaagat atatagcctg attaacacgt cgaaggggtg 360
 agatatcaac agcctgtctt ctcaccactc cagcagaacc aattctagtt gcattctcac 420
 ggggaccact attgatgacg gcattcaaca tgacctgaat tgggttcagg tcagtgaagc 480
 agtggatgat ctccatggca tgcttgataa ttctgacagc catgagct 528

<210> 42694
 <211> 492
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmro02910054e04d1

 <400> 42694

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 aaagcaaatt cttttctttt ttaatttctt ttttttctct cttttggaac tcgttgtcta 180
 ccttatggat ccacagctta tggatgaaac cttgcaaacg ccagctgatg gggtgagtgg 240
 aacatttttg tagcatgcc aagttctc atttgtgtgc aaatcgactt gcaatgtttc 300
 ccaaactttc ttctttgggt ttaagagtcc atcaggatta cttcataacc cagggaatgg 360
 aattctttct cctggttgag cagaactggg aggtcaacc aactcaacct tgggtgtgatc 420
 accatcgga gcagcaagaa ccattgcttg agatttaatg ccccccattg ttactggctt 480
 tagggggcaa ag 492

<210> 42695
 <211> 533
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054e05d1

<400> 42695

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 aacaccaacc aagcataagg ccccagctat catcaatttc cagctggata aataaataaa 180
 cccaacattt ttgtttgcaa caaaagttaa atttattaat agtagtaata atagtaacat 240
 attaaatact ataatcacta gccaatcaag acacaccctt cttcgagtga gtgatgaacc 300
 ttgcaatttg catcaacctt ttccaagttt caacccaat taaccgaaat tggggatcca 360
 accaggtgct tcccatcgga ccattctacc cttccaaaag cgttttctgt atgctgtggc 420
 gaacccgatg acgaaaacgt gacggtgaac gttttcttct cgttctcctt gaaactcaac 480
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<210> 42696
 <211> 579
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054e07d1

<400> 42696

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 caaaaggggc tagtagcatt tggtagctag tgcattaaat tggcacaagg aaggaagcaa 180
 taaaaatgta ggaaagcgac aattgaagtt gaacaagttg aagctcaagg gcacttgggt 240
 cctccttctt tggctttcca gttgtttag caagggcaca cagctttatt accataatac 300
 cccgggggca cacacaggca tttcctgcag cacttctgac agaaaaacat gcagggttg 360
 tggattggg tctggctaca tctcctcgag cattgtgatg ggcatggta actcttgaca 420
 cttccacttc catatttgct cttgttgta tacaagtggc ctccttggtc attagcagcc 480
 attaccactg tttgaagtat ggaaatggca aagagtggca agatcatagc agcaaagaac 540

ttagccattg ttgcaaacac acactatgat cttaaaacc

579

<210> 42697
<211> 535
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054e11d1

<400> 42697

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caaagtgggc tagtgcacaa tctaataattt attgactaca acaaggatag ttagggaagt 180
ttaacttaat tttacacctt tcagccgtac aagacttgat tgtatacaaa gaagactcaa 240
tatgatggat ggaaacaatc tcattaggaa cggaacttga ggctcactga ttcatagctt 300
ggaacataga gaacatctcc atatgatgcc attgtgagag gggaagaaat gagtttttgc 360
gaaattgaag tgatatcctt tgaggttact tcatccactg cttcaagaa atcctccaca 420
ggtttctctt caccatatgt caaaatttgt cttcctatat cttctgaaac aaccattctt 480
gattccaaat tcatcaaat tgcagatttg gtagcctggtt tggctcgatt aagct 535

<210> 42698
<211> 393
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054e12a1

<400> 42698

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aattggaatg atttggtttc ttattaggcc tatcctgaag ccaaaggaaa tgagatcgga 120
attcctcggg gaattccaat tccacatttt caagaaataa ggaggcaaaa atgttcatat 180
atgaattgga attatttggtt ttcttattag gcctatcctg aagccaaagg aaatgagatc 240
ggaattcctc ggggaattcc aattccacat tttcaagaaa taaggaggca aaaatgttca 300
tatatgaatt ggaattattt gttttcttat taggcctatc ctgaagccat aggaaatgag 360
atcggaattc ctcgggggta ccgagctcga att 393

<210> 42699
 <211> 424
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054f01d1

<400> 42699

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 cttacaaaatt acaaggcata gtttccttga caatcaaggg aaggaggagg gcacacacaa 180
 acaacctctc atcctaaacc catctataaa aacattcaca gcacatgcaa cacggcaaaa 240
 ttatctacaa aaggatttag atttcaaaaa acacaatcct tcttattctt ctagcaattt 300
 gctagtagtt tgcttaatca aagcttgatg agcgactcca ccggcctctc aagtagtcct 360
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 ttgc 424

<210> 42700
 <211> 437
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054f04d1

<400> 42700

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 taataaagag tttttttcaa gaggaagcaa acaagggtt ggggtataac acatacccaa 180
 ctgagagtct taggtatta acacaacaga tctgacgtt tttcgattct ccagggttc 240
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 agaagcaacg ttgggaaaca ctttttcagc agcctccaac agcttatccc gagggacaac 360
 atattgcatt agactaggcc tagtcaagaa aagggtttt gcagccaggg aagataatgg 420
 aaccgatca ggggaac 437

<210> 42701
 <211> 590
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054f07d1

<400> 42701

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 ctttcccttc catgcaagca ttccaacttt catttcccat caccaagaat gaggtgaatg 180
 cacgttctac acaccaatgc atatgttcat ccaacagtta aaatttcaaa acctctaaag 240
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 gacctagaat aggtctccag tatatcagaa ctctgagaaa aatcagcagt cagatctgaa 480
 aggctaaaat ttctgggaat ctgccccaga aatccaaatg aagaaatgtc tggatctagg 540
 actgtctcat tcagagaatg tgagttggac tcgacattag tgaatgacgt 590

<210> 42702
 <211> 567
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054f10d1

<400> 42702

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 aattgtgctc ctccatcttc acgtactgcg tcgtcgtctg gtactgtttc tggaactgga 300
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 cacacgacga aatcgccgcg ttgttggttg ggctgtggtt gttgttctcc tcgttcaaga 420
 tcgcatttga gtcgctatca gaagacccat ctttgaaatc cacagggaac acagaacccc 480

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 gaatggcgga ttcacagagc gggttac 567

<210> 42703
 <211> 518
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054f11d1

<400> 42703

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 gaaaagatac tgaacttcta ctttaagtac aacatttgac tttaacacaa ttgaaatttg 180
 atatattgca aatgatcttc ctatagtttg cttttactgt acattgtgag ggaagggtat 240
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<210> 42704
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054f12d1

<400> 42704

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 aggccataat attttattat gaatgtcttt ctatacacia acctccatgt ccctttttaa 240
 caatttacia taacaaaaat ccagcagata ctgggtttat aaacttttca accttctact 300
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ggttgcagag cagaatatgt gaggatgata tcaacaccgg cccttcggag gcacatcagt 420
gactccatca taaccctttc ttggcttatac atattgagag caccggcagc ctttattatt 480
gcatattcac caaaaa 496

<210> 42705
<211> 290
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054g01d1

<400> 42705

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agcaaaagaa aagtcgtag aacgctaccg tttctagaac cctctcagtg gaccctcaca 180
ctaattataa ttaatagtta attaactaat tatatagtag taacaacaac ctgcttttga 240
cactcctcac cgtgacaggc ggggaaagta gcaacacacg tggcattccc 290

<210> 42706
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054g02d1

<400> 42706

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agcagccact cactctaaag taccacaacg gttctttact gacaggcccc gtcacctggg 180
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gcgccctaaag cagtgcgcca aacacgccta tcc 273

<210> 42707
<211> 518
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054g04d1

<400> 42707

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 tgaacttgac atatctagcc aggagcaggc tgcattcaga tcaaactaat ggacattgat 180
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 ataagcctgt ggtactgctt gcggcttctt ccagcttcag tttctggaat gcttaaataa 360
 ggatgatcag cagccgttac aattttacga aaaagactgt tgaaatctcc taacttcaca 420
 ctgatgggta taggagcctc tactcccata tcttggctaa ccctagttga ctctgtata 480
 gccattggaa atgaatccag atcatcttta gctgcaac 518

<210> 42708

<211> 395

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910054g05d1

<400> 42708

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 ttcataaatt tatacagggg ttgtgtaccc aagaactttc cctatgatga tgcctaatag 180
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<210> 42709

<211> 544

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910054g08d1

<400> 42709

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acacaaatct ttcactatac agttaaaagc acaccactcg gaatcatgtc attcgtaaca 180
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cgtgatgctc aaaactccct ttctggaaac atgataggag ctacgagaga ccacaagtac 360
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accaacttcc cgctcctcca acagatgtag accaaccagt cagaagcatt gcagaataca 480
tgctagcaag agagaaaatc aagtggaga aggcatatga atatgtaact gggcttgctt 540
tctc 544

<210> 42710
<211> 527
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054g11d1

<400> 42710

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aaaaggggtgg aaaaataaca gaacaataaa tactcttaag agaaaaaaaa aaacatcaga 180
ggattatgaa aatcctctga acaatatatg tgcaacccaa gttgctcaca tgtgggcccc 240
caattatgaa aagtcatatg tatgatatca tgggtgttgtt agtggctgta cgtacatggc 300
ctgctacaat ggtttctcca gaagaaaacg tgggtggttca cattttgcag tatagctaaa 360
tttagatgag cagtacttcc tatgtacccc agttagtttc ccattcccag ccttctgatg 420
aaaatcagcc attaatgttg agcactctaa tagccgatct tctgagtaat tggagtgcc 480
ttcacatgtt ttgttccatt gtttgaaacc ataaattgtg cattggg 527

<210> 42711
<211> 449
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054h02d1

<400> 42711

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caacagcagt caagtcccta ttgctcaaga ggaatccact cgagttcaag atctaattct 180
ccagattcaa catcctggag cttgagtgc atcatttggt taaccttacc atcaacaata 240
ttgactgtgc taccctcaat aagggcattg tcatctgatt ttaaccattt tcctatctgg 300
atatcaccaa acattccagc atttccaaat gccatagcag atgttatcag agactgaaga 360
tcaatgtctg cttttcccat tatatcatca gcagaaaatg tgtcatgggc aaatactttc 420
aattttatct gtccataatg ctcaggaac 449

<210> 42712
<211> 552
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054h03d1

<400> 42712

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atggggaaaa actttctgac tacaaaatcg tgttttaaga taccctcaga agaattgacta 180
ttttgtaata gttcctacag gactagtaat ctctgttctt ttttcatcac catcaacaat 240
tcaagacttt ataattttg aacttagcta gtaattctta tgacactcta ttcaagatct 300
agactcttct tcatactttc ataaaccata taagtaatgc ttgcagctgg cacaactttg 360
aggagattag gaatgagtcc cttgtagaaa cctctaaaac cttcatcctt aagagttttc 420
cagaaaacat cagacattcc cttgtaagca ctagtactgt tggcagggtg tgacctgcagt 480
cttgtagcaa taacctgcag cggatagaca catgtagctc caagagcacc tgaaacagtc 540
ccacatccga gt 552

<210> 42713
<211> 581

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054h04d1

<400> 42713

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 cttgctacta aggtgcagat aggaaattct gatgatccca ggaatgctaa ttaaatttaa 180
 ataggaacag gtcgatcaag ggaacaatga aagcatgaag tacggtgaag ttgctcatag 240
 catactagag taaatcgcat attccaatta ccaataccaa tatctaactc taactctatc 300
 cctctggagc caattgccct gcagtaggca caggagaaaa tcttaacatg cgaagtgatc 360
 atttcatgac atttgctca accccattcg acagtatgtt tcttcgtttg agtggaataa 420
 tagctactca ttatcataaa tctttctccc ctttagctgg gtcaataatc cattctgaat 480
 acaagtgggt caggtgataa ttactcctca gagcagtttt agaattcaca taatctttta 540
 aaaccaatca attcatgcag tatcatccaa ttctatgaaa t 581

<210> 42714
 <211> 549
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910054h07d1

<400> 42714

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 tctgtggaat gcaccattct acattgttca atgcccgaag aaattatggt gaaagcaggc 120
 aattgggaag catcaaccac atccctagtt taatcatcct catgcaagaa taggagtgaa 180
 gctggaagag tcttgcagac tagcagcata ttttcgcgcc cacaggatcat agtgaataat 240
 ttctcaagg gaaggagagg ataccaattc attttgatgc ttctcacatg ttagctccac 300
 aactttgaat atatccaaat agctaattt ttcatcaata aacatctcta cagctttttc 360
 atttgctgca ctaagaactc ctgtcattgt gcctccagca cggccagcag aaaatgcaag 420
 attcatggat ggatacttta cattatctgg agtttttaaat gtaagtgaac caagcttgca 480
 aagatcaagg cgtggccaag tgacttcaga acaataaatc ctgtcaggcc atgataatgt 540

atagaggat

549

<210> 42715
<211> 521
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054h08d1

<400> 42715

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aggggagggg gagttggatc agctgggaac ctaaattaaa cttttttatc tcaattgaaa 120
tagtcaacaa attctactaa tatctgaaaa aatttggaga ggatgggtgag ggttggaaaa 180
aggggaaaga aaacctatga tgatataata cactagaggc agaaccaaag atgggatttc 240
cacatcaaac aggtcactgc tgaccttgct gcacccttta ggtgggtgata gaagaatagc 300
ctaagcaaga aatgctcttc agagagagag agagagagag agagctttac atgaaatagc 360
tcagagatct catttttctt gatccttctt ctccatagag gtcattccat tggagtagct 420
cattcatatt tggtgactct gatgacacac ttgcacacac ctgctcatgt gcatatctaa 480
aatcatccat ctttaaggga cgaatgtcac cgctgctaca c 521

<210> 42716
<211> 524
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910054h09d1

<400> 42716

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ttctgaacac aacacaagct acaacatata ggcttccatt tgcgccaat ttgtagtttt 120
tgtacaagaa cccatattgca aaaatagttc atccttattc tattctctct taataatatg 180
agtataatag accatcctct atacaaaagt actagtaata aatatatagg ttgttgaata 240
tccaagcgtc ctccgtata ttcatttttg tttgtctttc ggactctctt ctttaagtcca 300
tacttaataa ctttcaaacc aacccaaacc tctaattatc tattgcctct gcgagtgatg 360
ttcttcttga cgtattatgt tgctatttat ctctttttat gccggcaaag ccttaaaagt 420

gtcactgaag gtgtcttgtt ctgcaaaaat atccagcaga gacaacgcct cgggcacatt 480
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<210> 42717
 <211> 654
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910054h10d1
 <400> 42717

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 aacagcaatt caaacacagg gattcacaaa gtaatttatc atattgcac cctcattgct 120
 cctcttgag cctcctgctt catctcagca gccttaccac tgccacggaa gtacatatat 180
 acttgctgaa taaccacagat actgatcaat gtttcaatgc agaacaatcc aaatgcaaca 240
 aagtagaaaa ttccaatcac tgcattgtca cccaccacat ctatggctga cagaatgcct 300
 gtcaaggatt ttcctttgaa aactatggga ggagcaactg cagctaagat acagaatcct 360
 aggtgaagca ggtaaaacaa gaaaaaccat ccaaaattca aagcactgtc agtcctaaaa 420
 gcacgatata atgggcgata ccacaagaca tatgctccag gaattcctgc tatgaagtag 480
 ataatagcaa gaaaccatat tttcactcct tctcccttaa tccaagctga agtgacagct 540
 acaatattcc atgtgaggca caatgccatt cctaacaatg aagtaaattgc aacatactgc 600
 aatctttgaa gatggattgg tatttcatag caattcatga tggataatgg gaaa 654

<210> 42718
 <211> 530
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910054h11d1
 <400> 42718

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 acaggcacia cccatcaacg gatctaccct ccccaaataa aacccccaaa acaacgcgtt 120
 cagaaaaata taagataaaa aaactacaat acaataaata ttttaaaaaa tgcaaatgtc 180
 ccagtacagt gaaaattatt gaatgaccct tctcgaaggg taaaagggtga aataaaatca 240

catcaaagag caacaacacc aaccatcaat gcgaaaacca accaaaagtg aaaacccaac 300
 ccaagcctct ccgcagcagc agcacggtc ttcttgtecc cactcgcggg tgtggtcgcg 360
 ttttcgccac tcgctgctga cgatccgctg ctccccgcaa gcgcgacggg gagagcgggc 420
 ttggcgtaga tggtgtcgtc cttgaagccg tgcaccgagg gcacccccgc cgcaacggga 480
 cccacctgcc acacgtgggt gacgttcttc gccgaatcgg ggatcttgac 530

<210> 42719
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910057b11a1

<400> 42719
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 aggggggatt attagttttc ttatcaggcc taccctgaag ccaaaggaaa tgagatcaga 120
 atccctcggg gaattccaat tccacatttt aaaaatataa ggaggcaaaa acgttcatat 180
 atgaatagga attatttggt tttttattaa gactatcctg gagccaaagg aatgatatc 240
 tgaatccctt ggggaattcc aatgccacat ttc 273

<210> 42720
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910059a09a1

<400> 42720
 aactaatact aaaaaatggt ggggagggtt taaaatcaag aatttataaa cccccctcc 60
 gtatacaata acacattact acaaaccaaa gaggaagaa ctattctcat acaattaaaa 120
 attacaccat gtatgaccgg tcctcaaate aaaacctact gtaattcgaa aaccataagc 180
 tgacaaatat atactttaat aacaaatfff acaaaaaaac ccttgaaact tagtaattga 240
 tctattaact aaaaataatg gaaaa 265

<210> 42721
 <211> 466

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910059a10a1

<400> 42721

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 tatcaaaacg cagataaaat tgatgaagat ggtgattaca ttgccataaa agtgggtcat 120
 cctaaattgt tcaaaggtga cttagctaca acagctaaca taattggcat tacaaacaca 180
 atggactctc agggatttgt ccgaaaaggg tggcgctcat taccctgact gtctgctttg 240
 gaaggaacac tgtaaagcag atcgtgaatt ttggaatata tcagcatctg agaggggtca 300
 ccaccactac tgccttgcga agcgcgagaa ctctcctgca atttgatctt ttcataaagg 360
 tactgcttct cggcctcagc ctcgtttaat cgttgtttca agtagttgct agtaaattct 420
 tcctctgatt tatcttgctt ggcaagagca atcatttgaa gcctct 466

<210> 42722
 <211> 435
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910059b09a1

<400> 42722

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 gggtcctagc tcgtctaaga gctagatttg cctcaattgg ttggctcttg ccttccgcct 120
 tattcaaatt agcttctgct atttcaagag tttgctgggc tttttgggga tcaatggcac 180
 tacccttttc cgcattattt actaaaacag ggatctcatt attgggttatt ctagcaaaac 240
 cgcccatcaa agccatcggt aaccattggg ctttaagaag acgtattctc aaaataccta 300
 tatctacggg tgtggcaata ggcgcgatgat ttggtaatac tccaatttgg ccgctattag 360
 tagataaaat gatttccttc actttogaat cccaaacaat tcgattgggg gtcagtacac 420
 aaagatttaa aggca 435

<210> 42723
 <211> 413
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910059b10a1

<400> 42723

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tcaaaaataa aagtaaaatc gagcccagca tgctatggct atatgacagc aaagacacgc 120
agcataaggg tgatttagtg gacaacttat cggtcctttt ggccatttac caatctatta 180
aataaaacaa cgggctactg ccaaaccagt acataaattt ttgggggtcca cattggaagc 240
gcacgaagat gttacagaac aaaaaaata atcatacttc ggccataaga aatccaaaac 300
tatatatata cattaactca acttggacaa aaaaatattt taacgaagtt cagaaacgaa 360
aggaaaatgg ccaaggtgta aaattgaatt tatttcggac acgaattaca aat 413

<210> 42724

<211> 156

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910059b11a1

<400> 42724

ccactattaa ttcatgaacc tcaattttta aaaaatcaaa aaaaaaaact atgctaaaat 60
caaaagaaaa gcagcaaaaa aaaaggacct caaaaacaaa accacaaatc tatgaagacc 120
aaaaaccac cctaaacaaa tgacaaatcc aaaata 156

<210> 42725

<211> 448

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910059c11a1

<400> 42725

agcaaagaat acgatccttc aaatcttctc agcatatata ttacttgaaa ataaaaccaa 60
aaaccatagt catctcttta aagaacaacc tccaacggct aaaagaaaaa gaacaccaca 120
atgataaatt gacttaacta gctaaattat aggttcttaa aaaaattaag accacataac 180
ttatccagcc ttcaaataca catcaaaatg atatggcaaa ttgctagctc aacggcgact 240
gcaaggtagc aaaacccatg aaagttgata cattctctaa gcaaccagag tgctagcagt 300

tgatgattcg tacttccaga ctggtgggag cttcttagtc ttcttgtaat agcgagcaag 360
 tcggtggatt ctgctctcaa caagaatcaa cctgaacttg gagtccttgt ccttcctgtt 420
 cctctcaaga tgctttctaa ctgaaact 448

<210> 42726
 <211> 373
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910059d09a1
 <400> 42726

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 ctttacattt tacaagatgg gtgaaccaac aaatcccttt acaaaatttg cttgcagttg 120
 ccaaaaatcc accacagccc caacttttaa aatatgtcaa aaatttgga ttaaaacact 180
 tgaagctttt tgcaaaactaa cagcatattg gcgagcccat tgggcatagg gaaaaatttt 240
 ttcggggggc ggggaggcca ctaaatecctt tggagggccc cgacaaggta gttccccaac 300
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 tgggtggacta aaa 373

<210> 42727
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910059d10a1
 <400> 42727

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 gaaattgtga attgtattga tgtggaatct gcaaaccaat gtatccaaac tccatgtgat 180
 tgccagcaca aatatatttt tttgtttaaa gggattgctg ttcttggcat gccaaagaacc 240
 attggtgcat gtccttcccc ggtggtgcag ccggatatta tgagagcgaa ttatttcttg 300
 tcggaattct tatagaagca aagctttgag tgaaaattgt tgaacatcaa tcagaccacc 360
 ctccattagt cctgcaggta caggtgatcc ctggaaactt gtaactgaac ttttt 415

<210> 42728
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910059e09a1

<400> 42728

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 tttatcaagt aactgcaac aacaatggaa cagagctaac aaacaaaaaa gacaaaattc 180
 atttgcaaca caaactttct actatccatt tttcaatggc tttcaaagtt ccaagccagc 240
 aaactattca tatcagtcac tttcggtctc ctgcttctc tttcaaatac gcgtccctct 300
 ggatgtgggc aagaatcaaa agcctaggtc caggaggaat cctcacatct ctgagagcac 360
 tgtctgtgag taaaggcaga gtgttgctg ttaacaagcc tttcttgaaa ttcttttcgt 420
 aactctgaag gccaaagattg gtcaacatgt gtcttgtttt agca 464

<210> 42729
 <211> 520
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910059e10a1

<400> 42729

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 atgcaaatct gtacaaattc aatgtcactg caaatggtaa aaccaatcaa aqtcagtaa 120
 ctgcacgaat ttgcaacag aatttgaagg atacaggcaa acacaaagtc agatcttatg 180
 ccttggtttg caaagcaatt gacatgtttt gggtcgcaat gttcttcaag ctgccaatgg 240
 ttctccata acttttcttt tcgtagatac ttcagcatca ctggtaacag gtgctttggt 300
 tgggacatca ggaaggtcca acttttcttc aatttcttca ttagctgagg gaggaacttc 360
 aggaagatct tggactgtaa gctggatttc caagtcctca aattctgcta aaatctcctc 420
 ctgctcttct gctgataact tctcccccat tatttcatta atttcattct gataagcttt 480
 agcttcagca gtgtcatcca taagtttctg aacatcttca 520

<210> 42730
 <211> 423
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910059e11a1

<400> 42730

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 atcaattgga agccacacca cacactcaaa gggattgaat aacactccac acaaggcaag 180
 aaaactcttg tatataatat aaaacaaggt, ctttgcagat cactgaatac tgaagatcga 240
 attggatcag ttgtaatgag gattggccaa aaggtaggcc tcaacggcct tgaaaagagc 300
 atcagacttg actttgcaa ttttgaggtc gtctgggttg ggctgaacat ctcctttggt 360
 ttggtatttg acagttagct tcccagcaga ccctccgttg gcgccagcag ccaatttgca 420
 ttc 423

<210> 42731
 <211> 485
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910059f09a1

<400> 42731

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 tttatatgta atacacttta acataggatg acaagtttta cattccctcc aacaattaaa 120
 agattttttt ttaatatcca ccactgttac caaaaataaa atgaatagga cactgtagtc 180
 actgtctgaa tgtgacaaaa aatttccttc cactgcatac atgttcagtg cttccccttg 240
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 tgtggttcct aggatagatc aatgccacca tctatacaaa gtatacgtat gtgaatttct 360
 agtgcttctt gattgatcac actgaaccct tgaacaaaaa gctgaattga actgtacaaa 420
 tttccttttt aaaagcccat tggctcctaaa cctgggtgtaa ccatgggcat gggcatgggc 480
 atggg 485

<210> 42732
 <211> 389
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910059f10a1

<400> 42732

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gccaccggaa aaggggggttt ttttttaggg gaacctcaaa caagaacccc tcccccttt 120
tggggccccc ccgggggaaa acgggggaaa aaccctgttt ttggaaaacc cccccgtggg 180
tttttttggg ccccttgccc cggggggtct ttttcccccg gtttgggcac taaaaaaact 240
gggaaggctt tgggaaaacc caaacctttt tttccccccc ttttagggg aaggcccagg 300
gggcccgacc cggaacaaaa aacccccccc tgggattgga actcgttttt ggggtggggc 360
cgggccccc cttttttttt ttggggggg 389

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<210> 42733
 <211> 331
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910059g08a1

<400> 42733

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gtattctctt cgatcttcag cacatgtatt attgccgaaa aaaccacctg tgggtgctctg 180
attagcagct ccaaggttgt gctcagccga agccctgact agatcttcaa cggtgtgaac 240
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agcttgagaca tcaacctgtg gataccagtc a 331

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<210> 42734
 <211> 395
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910059g09a1

002220-ETFE560

<400> 42734

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tctaaaatga tattaaaatc tatattagt agtggttggtg ggtctgtcgt gttaccggtt 180
attggactac gtgcaaagt tcaacaaact tcatgctgga gatgttaatc ccaaaattaa 240
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aatgtcagca tctgaattat tctcaaggag tgaggttcac actttcttgg ccagcatgcc 360
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<210> 42735

<211> 458

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910059h08a1

<400> 42735

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cccatcaatg aatagactca tgaactctta accatccaca gggtcttttt ctatgagaag 180
ttgagcaagc ttgtgaagga tatcaatgtg agttgagata atatgtgttg ccctaaaata 240
tgctcttttt accagttccc tcaactccga atccactaca tccgcagttg ccatggagta 300
atccttttgc gatgacatct gttgacccaa gaatggattt ccaccagggt caccaatggg 360
aacttgtcca attttttggc tgaatccaaa tctctcaacc atctgccttg ccaactcgtga 420
aacttgcatt aagtcgtttg atgctccggt ggtgacat 458

<210> 42736

<211> 438

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910060a05d1

<400> 42736

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catttttgta tcaacaatca tgactcaagg aacaaagact tgtacaagca ctgccaaaaa 120
 aacttaaacc agattcaaat attggcagca ccaaaacttg gtttgcacaa aacaagggtc 180
 tatatttaca gcatgctatc tgtgagagca ggcaacctgc ggaagaaatt gatcgggtgct 240
 cctggcgctct taccocgaag cataggggtgc ctcataggt aaaatccaga tagaataaac 300
 aacatctgtg gtgggtgtcac atacaaaact attgcagtca caaggcaaaa caccatgaat 360
 atcgaagtgg cacgtggatc cctccaatta taagagcatg gattctctct ccttgagttg 420
 ctatctgggc aacaacac 438

<210> 42737
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910060a06d1
 <400> 42737

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 cacacatgaa gtaactgggt gaaatactgg aaaattaata agaagtgga ctaagatata 120
 atttgccaca tattaagggc gaaccaacat tgaaccattt atttctgtgc atattttggc 180
 cttcacattt tactggaaag aggaagaaac ttggtatgac gccctgggc aaaaactttg 240
 ccagtttttt tcttcttgaa ctccacgctt ataacggcaa cagccttccc tacacgcaga 300
 gccctggcct cgatctcaat ctctcatcg gcataggcag catccaaaaa cgaaacatta 360
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<210> 42738
 <211> 547
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910060a08d1
 <400> 42738

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 aaattttggg acactttctg gcgtctatta tgaaaggaag aacgttcaaa tgcattgcat 180

aggcataact aaaccacata tgacattaaa caagaagcta agcagtgtct gttgtcgggt 240
 gggtcacccc aaacttcacc aacagcttag tcagggttttc tggggagcaa acttgatact 300
 tgacttttcc agcagggtgac agaaaaacct ctgcaagtgc aagcttttcc gaggtaagac 360
 ttgtgctgtc catagtttta cttagtagct taagtgcagg ttgaactgct tcttcccttg 420
 agatatcatc cttgtagacc tgtttcagaa ttgactgagc tgccctgggtg ttggcaccaa 480
 tagctgcagc ttttcaacca ccataatttc cactgggggc acttgtgtaa agttgaaagc 540
 tcaaatac 547

<210> 42739
 <211> 535
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910060a09d1
 <400> 42739

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 gataaagaaa ctcaaattcc actcaatttc ccatagcaaa ggctgcaaac aaccaaattc 120
 actgttcggc tatccgtaag atactggaca aagaagaaat gaaatgactg ggagaagctt 180
 caggatctaa ccaccttcca cttgaatgtg ttcattgaat gactgttga gcggatcgac 240
 cagtgaattc ttccatttc gaaagtttca acgcaacttc cacaagagga gcaagtgtt 300
 cgtttgaaag tctcccaatc tttgatggat ctttctcata ttgctcaatg tataatcgaa 360
 ttgttgcacc ttctgatcca gttccagata ggaggaaaat caatcgtgat ccattctcaa 420
 acaaatatcg gattccctga tgtgatgaga tggaaccatc cacaggatca ttgtactcaa 480
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<210> 42740
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910060a12d1
 <400> 42740

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cctttttttg accccgcctt gttggcaccg caaaaaaaca aaaaacttgg gacctcccca 120
 accaaatttt aaaaaaaaaa accccccccc ccttggggccc ccaaaaataa gggcaatctt 180
 ttaatttatt ccccccttgc tcaaccccat ttgcccccaa ggccattttt accccccctg 240
 gttggttttt gttcttggct aagttattga acaaaaaaac ttggcttttc ctctttttaa 300
 acccttttga ctcaaacctt taatatgggg attttggggg aaaaaacttt ggtaagctcc 360
 ttttaaaaac cccccaacac gggggcttcc cgttgccacc caaccccatg ggggggggaa 420
 aatt 424

<210> 42741
 <211> 329
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910060b02d1
 <400> 42741

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 aaattcccct gcaggggggt ttcttaggca ggaacccta atcagccttc acaggtgcag 180
 gttatttact tgataaaatg ataagtcagc tatttatgag aaatatgtcg cgaaacagac 240
 agagatcata gtagaacaac taaaggggat cagtcaacat cattccctga ggcctcagat 300
 atcttaacta catcacctag acacaaccc 329

<210> 42742
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910060b03d1
 <400> 42742

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 tttcggttta tataatagaa cttttttttt aatttttttt aagaaccctt ttatctcaat 120
 cccaccggaa attttctttg ttcaaccccc cccaattgcc aaaaaaacac aacctttgaa 180
 tcagcttttg gtggcccaa acccccccca cacttgtcaa aaaatttaat tggacaaaaa 240

aaaaaatccc cgtgttttaa aacaaggac aacttttcat tttacccaaa aaacaaaaaa 300
 agggggggaa aaaaaaaatc cccgggggac ccccaaaagg gggtttggggg ggaaaacccc 360
 cccccggggg aaaaaaaaac ctgggaaaag gcc 393

<210> 42743
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910060b05d1
 <400> 42743

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 aatggactaa aaccctatgg ctgcttgtga atttgaaaat ctcagacttt taccatcaaa 120
 acaaaaaaca gtactcatca aaaacaaaca gcaacgaaaa tgttaccgcc gatcaagaac 180
 ccagttttga aggctacggc tacatgaaat cggcggacac ttcaaaatat aactggtaaa 240
 acaaacacct aagactctgc aaagataaac tactgtaaag gaacaagttt ttttgaaacc 300
 acgttgatga tcacatgtgc tagcaaaatt gccaaaatgc aatcacttct tcttggcggc 360
 agcctttgtg accttggctc cgggtggggtc tttcttctca acactctnga tgactccaac 420
 agctacggtc tgacgcatgt ccctcacagc aaaac 455

<210> 42744
 <211> 490
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910060b09d1
 <400> 42744

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 tgatgaattt tattggggag tacagacccg actgcacgat gaatctccag taaaggacta 180
 acaacatgtt ttcattgattc atttgacac tcattcttag aaggacatta tgctttacag 240
 ttacattgg taactgaaga aaacagttag tcattcatgct tcacagagaa cataatatct 300

tatatagaca aacgctatta acaaggaaca gagaagggaa cacaattcca gcaccggcct 360
 ttacagcaa aaagctcgag tgtgttgtga cgggtgaaac tgcacggaga aagttgcgtt 420
 tt 422

<210> 42747
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910060c05d1
 <400> 42747

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 tacacaagtt tgcgaagtga aaaacactgg ataatgagtt cttacaaaaa gtggcatatc 120
 aaatcaaatt ggtgggtaca attaaaattt atattcatcc tgttattata ccagccagta 180
 catcactttt gcctcgaca taaatttgtt aaactagacg aagtgcaccc agccagccat 240
 ccaatgattc ccaagagtca gcaaccaagt aaactgatcc ataacttgta tctatgcaga 300
 ggctgcacc aggtggttaag gtaagatcag cacatgctga tacagaaata atatctgcta 360
 tatctacttt gatagtcttc ttatctccac tcact 395

<210> 42748
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910060c06d1
 <400> 42748

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 cccagtaaca ggaaatcaac aagggcatta attcatcaag aagcatataa aatccgacta 120
 tcgaagcctt gtatttctta tagatgttcc aaatgctcaa ttacaagtta tgaaatgcaa 180
 ctttgaaata aacatttcta gtctattaat ctgcatccat ttcttcaaga gctgctttgg 240
 cagctgcctt tgctcttcta gaagctcatc cgggaccttc tcatgttggc ggtttgactc 300
 atcacacacc cagctcattt ctagctcaaa atctttgtcc ttgacctcat catgaactcc 360
 atatataatt ttagccactt caataacccc ttgtcgacat gtcatatcag caagctttaa 420

cttttcaatc tctgttttag cagcctgcct gcccttccca attgcagcac cgaaatatct 480
attggaaaca ccgga 495

<210> 42749
<211> 442
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910060c08d1

<400> 42749

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caaggtttta catctagtag ataaaaattc aggggtggtt ttcaaagtaa tcacgaaccc 120
taacaccctg ggggaatgtc aaatatcaat tcgggggtgg aaaaacctaa ttttttaacg 180
ggatttaacc gcccaaaatt aaataaataa ataaataaat aaaggagaa aaaaaaacag 240
agatgcccc ccaaaaaatt ttaactctta taatggaaat cctgtcccta tggaggggtc 300
catttttagca aaactcaagc ttaagtgcg atctctatta tcccccaac ctcccaaacc 360
tttaaaccct gctttataac caggctgatt cttaaagggg ggaacttccc agtttaattc 420
aaagatagaa actgggtcag gc 442

<210> 42750
<211> 585
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910060c10d1

<400> 42750

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ttttgatgga gtacgataga ctttttaata tctcttgatc tctcacaat ctatatgaag 120
atgaaaatgg tttttctcct ccacacttga acctacaaat tcttcaattt tatatgactt 180
gaacttcttg taaaggagtt gcattgggat tctgcatgat ctgtattgtt ggcttaggtg 240
aagaccttga tgatgacatg aatgatacaa tgattggctt cagcttctca gtagttttga 300
tgttaatcaa aaagagaaca cgatacagaa taatcatccc tagcaagatt ccaagatcaa 360
accactttga gtaactcatg ttcacttgcc acatatctct tagaatctct tcaccactaa 420

tgtagccacc accaacggta tttgtagcga atcttagtcc ttcaactcat tttgaacaat 480
 ccttggtggc atatctatgg aatgcacata aacataaggt atttccaaat ggctaagaa 540
 gacattggta acctaaagat tccccctat atcatgatcc ttgaa 585

<210> 42751
 <211> 436
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910060c11a1

<400> 42751

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 tcaagactga tctgcgttgg cagagccatg ctgtgcttgc attgcaagaa gctgctgagg 120
 cataccttgt tggactcttt gaggatacta atctgtgtgc cattcacgct aagcgtgtaa 180
 ctattatgcc caaagatatc cagctggcaa gaaggattcg tggtgagcgt gcttgatgtg 240
 gtggtggtgg tggtggttga gaagatgatg atgggtggct gcggatggtg ttttgttatt 300
 cagattctt ttttatacaa agataggggtg gggagggagt aagtattaat tggtgatacg 360
 ggcaaaatac tgctaagtgt tcatgactgt gtctttttca ttaagaaaag cggcatgtaa 420
 ttgaattttg gacata 436

<210> 42752
 <211> 375
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910060c11d1

<400> 42752

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 taaaccaaat ttttggggcc actgaatggt gtccaaaggg ggtgcacaca tcccgtaaaa 120
 acataaactt ttttaccgac cgaccctttt gtccaaaaaa aaaatacctg ccaatttttt 180
 gaaaggaaaa aaacacaggc ttggacactt aacagttttt gcccgtttca caattaaaaac 240
 ctactcccta acaacccttt ttttgaataa aaaaaaatt tggataaaaa aaaaccattc 300
 ggagcccccc attattattt ttaaaacccc cccccccccc cccacattaa ggccgctccc 360

cacaaatttt ttttg

375

<210> 42753
<211> 479
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910060c12d1

<400> 42753

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caaaacctaa ataattgttt gccatgtgct atggattaaa agctaatacc acaagcataa 180
aaggtgtcat gaatttaatc atcatcctgc cctactgctc attggagtcg tctgaaacat 240
caaatccagg aggtataaaa ataacatcat ccagttcga tgtagaattt tccttcattt 300
cttttattac atcctctaga gtggcaacct ggatatcgcc ttttctcata gtgggattta 360
atttgttctg ctcacgggct gccgatttaa gtgtattttc caagtcctcc tttctgaaga 420
aaagtggacg aaatctctta ttttggctct tcaatatcag acttctggac tggaaaact 479

<210> 42754
<211> 324
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910060d01d1

<400> 42754

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tgtctaattg ccgtgattaa tatagaacaa tcacccaaaa ataatgataa caagaaagta 120
atagatgaag aaaaaatgaa aaacctaggc aacaaacaaa caactaaaat gccggactta 180
gcaaattggc atcaaccac caaaagggaa catgctcttc taaaattaaa tatattgtcc 240
tgaaaggctg aaacttggtt catggccatc ttcacctttt tttattttgt tttcactggt 300
cggacctgga tattgtgagt ggat 324

<210> 42755
<211> 493
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910060d03d1

<400> 42755

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taatataaaa aacgttatta attactaatt cactgcatat acattccaaa ataaataagt  120
aataactgat taagttgcag ttgatatggt atttgtgtaa tgatgcatat agagtggagt  180
cagtagaagt ttagaatatt ggtgggagta aagttttgga gccatggact attcaactga  240
gccc aaaagg tatcttgggt ccaatccgag agcatgggaa gctgaaggtc tggaagcttc  300
tccttcccaa agggcatttg tagtgatgtg ccacaagtgc ttttgttggt gtcttttaag  360
accaattggt tggttatttt ttcttgttta ggcactacca tgtcttcagt ttcagactct  420
ttcttaagaa catgttgcaa caatggcaag ggcattgttt gctcttcctg tgggctgcta  480
aaggacatgg tgt                                                    493
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<210> 42756

<211> 485

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910060d04d1

<400> 42756

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aatgtagact gcagcagagc ctaaaatatg ttaaatgatg gtttgttggt agaatcaact  120
gagaaagaaa catagcaaca ttgtatgta aaaatgctct aaaatcctat tacatcagag  180
atgcactacg gttacaattt agtcatacaa aagctgagta acaacaattg cctactccca  240
tgatactgat aatgaaaatg ggaaaagaaa agaaaaacaa agggaaatat accatcaaca  300
tcattgtttc attagctcac ttataaccct tctgattcat gatttatctt attcacaagc  360
caatttggtg tcaaagctgc tcaagcatat tgcaaaagct tggaatgcag ataaagggta  420
ccgataatcc atggtgaaca tgttctttcc aactttgcca aactgaagaa tgatcttacc  480
gtgct                                                    485
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<210> 42757

<211> 551
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910060d05d1

<400> 42757

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 tcgaagcctt gtatttccta tagatgttcc aaatgctcaa ttacaagtta tgaaatgcaa 180
 ctttgaaata aacattttcta gtctattaat ctgcatccat ttcttcaaga gctgctttgg 240
 cagctgcctt tgctttcttct agaagctcat ccgggacctt ctcatgttgg cggtttgact 300
 catcacacac ccagctcatt tctagctcaa aatctttgtc ctttgcttca tcatgaactc 360
 catatataat tttagccact tcaataacct cttgtcgaca tgtcatatca gcaagcttta 420
 acttttcaat ctctgtttta gcagcctgcc tgcccttccc aattgcagca ccgaaatata 480
 tataggaaac accggaaggt tcaaccatgt acaactgtgg tccatccctg tcataacctn 540
 ctagtatgac a 551

<210> 42758
 <211> 474
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910060d06d1

<400> 42758

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 gccaaaaaac acagttacta gtagcttttag tagcatagct ttcaatggcc attaactcta 180
 agaccattta gtgagttggg aaagccattc ttctgattct ccaatttggg gaactcagtt 240
 tctatggtct tggctatttt ggcacatca gggctctggc ctggtatgtc tacatagaag 300
 gacccttgct tgattgggtga aattgactcc acaatgatgg attgttgctt gatgtgattg 360
 gagagttggt gatggaaggc gtgattgaag gagaaacaat ttccaatggt tcctaatagca 420
 tgatgtttgg aagacttgga atcttctttt ttgcaaagtg tgggagggat gcat 474

<210> 42759
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910060d08d1

<400> 42759

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 taccataaag gatcacacgt atgtagacag agaccacatg gcatagcata actaatcaaa 180
 aaacatggca tagcataaat aatcaaacc caaaaataa atgatacaag attcatccat 240
 gaacaagaca agattcttag ctatttataa atgcacaatg cttcctgac tctccttctg 300
 gccctgtctt cacattaatt cttcccat tctcgatgga gggttgaaac tcagcaaaga 360
 aattttcaac tgacccttca agcaattgga tgatttgtgc ctttgtaact gagttagtca 420
 ataatgcagc atctgactca aatagacccc ttttcttaat aacgtgacta tagtagctaa 480
 gatcaaattg 489

<210> 42760
 <211> 483
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910060d11d1

<400> 42760

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 tgattttata aaaatgaaat agcaaactct acaacagatg gcataaaaaa accaactgaa 180
 tgttgaactt gacatatcta gccaggagca ggctgcattc agatcaaact aatggacatt 240
 gatccattca caaaatctgt cttttaacca gacgcattct tccttgacgc atatacccta 300
 taagctgcca gcccaactac gaccaccgca gctccaactg aaacagccat aagagatcga 360
 ttaataagcc tgtggtactg cttgcggctt cttcccgctt cagtttctgg aatgcttaaa 420
 tgaggttgat catcagccgt tacaatttta cgaaaaagac tgttgaaatc tccaacttca 480

cac

483

<210> 42761
<211> 476
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910060e04d1

<400> 42761

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tctgctaaaa attcgaagtg ccaacagtta ggtattaaag accctataca actaaaacct 180
ttatTTTTTT tctTTTTctt tccctctcta ttgtcctccc attttcatct tcgggttaa 240
tgtgcagtca acaagaaaat tccaaagtct ttgttgctgt agtaacatgg ctatgtaata 300
atgcacacac tataactctg ttttcaaccg cccattgggt cccaagttgt caagtgtgt 360
attagaatcg tatccaattc catagaagct ttggaactca tgggtcaaaa cattctgtgg 420
caaaggaggg aattgtgagg atgtactaga catgccagcc aatgttccat ggaaac 476

<210> 42762
<211> 536
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910060e05d1

<400> 42762

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cataagttcg ctttcgtcag aagcagaatt gaacaaaata tcaaagctaa ctctaaaac 120
tacagattta actaacctat ttgatctggg cctaaacagt tcaaaggaga agaagaagca 180
atgcatttac aaactgcaag ctacagcaac tacggttggc tcctctatca gggggaagca 240
tttatcaagc attccaatca catcatacca tggaagccag cagaatccga gagcaccgct 300
ttaatttgct cagggaggac atcctggcct tctctgcatt gctcagcttt gaacacatct 360
aaagcaaagc cattaaaaca gctaataaca gcctgctgta catccaatcc gaggttatcc 420
aaagccttca tggtagaaag caaaagacct ggtcggcggg tgcagaacat atgaatgttg 480

002220-ETFE50

acagttctcc cttcccttac tctaacctca acctttgcag cttgggtttt agggct 536

<210> 42763
<211> 456
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910060e11d1

<400> 42763

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tgaaataagt tagcttttaa agaaacggtt ttctcagaaa aaagcagtat ttgttctgtg 180
actcggaagt attggtattg ggcattgctt aacttattca accttttttg ttagacttgt 240
cgtcagcact tttttgaggg gaattggcag ttttggactc atcgaactcc aacaactgtt 300
tgacatcacc attccatacg caatgagcag caaaaaatcc aattacagaa ggtgcaatat 360
acaaaagagc aggtgtgtga ggctgaaacc agttcatcac aacaattgta aggaccaagc 420
caacagtgtt tcctacaaat gcactcttga aatact 456

<210> 42764
<211> 545
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910060f02d1

<400> 42764

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ttttgcttct tcattcagtt tttcaccag gaagttctcg cctcagtagt ctctaagttc 180
gatctatact gaagggtacg ttcaaatac atgggttcat tccagacacc cattggaatg 240
agaagttaa cattgctaga gacttcatgt ggattcctgt tgcaggaact gcagataata 300
tgggatgaag ttggagaaga taagtttgaa agggagaaag ttctgttaga tttggagcaa 360
gagtgccttg aagtttacag aagaaaagtt gacagagcaa atatatttag agtcatctg 420

catcaggaat tggccgaggc tgaggctgaa tttaccacc ttcttttgtc ccttggtgaa 480
 cgatctctac cagttccgcc agagaaaagg gcangttcac taaaagagca gctagattca 540
 tcaact 545

<210> 42765
 <211> 347
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910060f03d1
 <400> 42765

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 acgaacaatt cgaaaaacag agaactggaa aacagagagg ctgattaaga agtcaaagtc 120
 aaaagctgtt ttaggtactc agcacccaaa ttcttgaaca caagcacatt ttgcgaagtt 180
 ctgctgaagt ctaattgttc cctctgatca accttggctt tcttcttaga attggacttt 240
 gttctcatag ggtggtttct cttaagagcc aaaacagggg aggaaccttc ttcccatggc 300
 ttacttggca tgtctttaag ggactccctc accactttct ctgggaa 347

<210> 42766
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910060f04d1
 <400> 42766

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 caactttttg taagtcatga ctgagaagtg tgtagaactc cagagtggga cccagaccgg 120
 tgccaacttc accaaaatat tctacttcaa gtacagcctt ttgactagaa tacaactcca 180
 tcaccttagc agcagaatcc aaaatgcgat ttcgagagac acgaaccttt tgacgctgca 240
 atctcccaac cctgacctct ctttcatttg ttgatccatg accatcagca cctgctgct 300
 gctgaaggcg atacaatgca cgagataacc caaaggcagt tgaataaaaa tactgtcgcc 360
 ggttctcaaa aggaaacaaa aaaggacacg ctttagataa ctggtaacac catgagggaa 420
 gactcccact acataaggca agggcatctt gtatttgcct agctaatttt g 471

002250"ETTESO

<210> 42767
<211> 353
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910060f05d1

<400> 42767

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aatattatct aagatttcag cactgcactc atctctattc caaagtttat acatcgggat 120
attctttttc tgctaccgtt aaacaaaatg gaaaataaaa aatggcaaaa ttaaggggac 180
ttgcagcctc tctagtgtgc ctaaaatgcc caacatttta tcacaagact agaatacaaa 240
cttctcttcc tccgcagtag tattgagtaa tctatctcca atctccctaa gagcagcagc 300
tgtggaatca tttataccca acagatattg caaacgagac aaattctcaa gag 353

<210> 42768
<211> 482
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910060f08d1

<400> 42768

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aaaaaaaaaa aaaaacccgc cccttacctg aactaaaatt agaaaaatga attgggaagg 120
acaaaaaaag acatgctaac ttagagggcc aaaaaaacgt ttttaagctc ctagaaaagc 180
tgccccccca atttacacat acacaagcgg gggtgatttt ctgagtccga ttttgaagat 240
ccatatttta gtaatgagtt tgacaaaaca agtcacaaag gcccaaacia caggtagctg 300
accatcgcag tgttcttaaa gcattcgaca aatccacgat gatccaaaat ttttattaaa 360
caatccaagt cagccttcat gtagtgaaac tgggatttgc actgtgcatt tggagacaaa 420
gttctcccag gaagtccctt tgagatacgg aagaggaagc actttagctg gcagcccata 480
ct 482

<210> 42769
<211> 530
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910060f10d1

<400> 42769

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aatatcatga tgaagttcta attttgccca agaaatgagc aatttttcat acagtatgat 120
aaacaaaatt tagacggtag attaaaagaa caaaacattc acctatctat gatacacaaa 180
ctataccttc ctaagtttaa ttaacagtag actcaacaga tcaatcaata caaataatca 240
acaaaagtag ttggctttcc aatcttcaaa aactccaaat cattctcaaa ggggtgcaga 300
ttcaaatcca aaacaaaaac tctcttggtg tcagctttct tctttggcga tgaatcaaaa 360
ctgctacccc caatactaca actcgtagcc cgaagaatgg gccacgtttc attcaaattcc 420
gccgctctgt gccttctcat gtgaccttcc aaggcttgcc ctatagcaaa ctccaaccca 480
caaatggaac actcatgagt cttaggcttt gggggagaat catgaagcaa 530
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<210> 42770

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910060f11d1

<400> 42770

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gctacaacat ataggcttcc atttgtcgcc aatttgtagt tttgtacaa gaacccatat 120
gcaaaaatag gtcacacctta ttctattctc tcttaataat atgagtataa tagaccatcc 180
tctatacaaa agtactagta ataaatatat aggttggtga atatccaagc gtcctccggt 240
atattcattt tggtttgtct ttccgactct cttcttaagt ccatacttaa taactttcaa 300
accaacccaa acctctaatt atctattgcc tctgngaggg atgttcttct tgttggatta 360
ttttgctatt tatctccttt tatgccggca aagccttaaa agtgtcactg aaggtgtctt 420
gttctgcaaa aatatccagc agagacaacg cc 452
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<210> 42771

<211> 492

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<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910060f12d1

<400> 42771

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tccctaacgg gaaaaggtaa ggttggaac tttaaactac tatgtatctg gggatcaatc 180
agccacacta atccaaaata aacacaacct catcatgact gagagaaaca ttgtattcta 240
aaagctcaat agataaagat gctgctcccc ttgaaagaag tccaagtcta aattatgtac 300
agaattgtcc ccatgatcaa agaatttgct ctaaataaac gaaattctga caaaataata 360
tcttactgga ttttgaaata ccagtagcag tgacaaaaca gtcatacaaaa tcccagttaa 420
aaccacaatg agcagctcaa gctgcacaat aaaactgtgc cttaaataac ctttccttga 480
tcatctggac tc 492

<210> 42772
<211> 494
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910060g03d1

<400> 42772

gatgtggcta ctcaaaatta atataaggat tgatggttta tagtagatga tgtgattcaa 60
aaaaaaaaaa agattgcctt aggtagcaaa cgaagacaaa tgggagatga tacaatgtgc 120
atggaagggc ttatatactt cataaaaagt agatgaacga gaccttattg aaatgatgat 180
tatcaacaca caaaaagtaa atattatata tgatgatgat cttaattaag aaaggagttt 240
agatgcaacg ccgatccttg caagtgaac acagacaaga ctatgtgccc ttggaacagt 300
gaggccggct ctctcttcca tgctaacttt ggcgtcacca cccttcaata tctgtccttg 360
tggacccagc acttgcaagt cgaagcactg aataagagat gcaagaagtg ttgccattcc 420
cgaagtagcc agattgactc cagggcacat tctccttcag acccaaattg gagaagttaa 480
aatgttgtcc ccta 494

<210> 42773
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910060g04d1

<400> 42773

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 caaagggttg ataaatcaca aatcataata aaacacactg gaacaagcaa agcttggtcaa 120
 aagggtgcaat ataattttat gccacaactt ggaaaattga gagtttgga ccataactac 180
 ccaagttgac catcccacaa actaggatat tttccatag agtaactaac gcttcagggg 240
 tgctgctccc accagagagc ctactatattt atataatca 279

<210> 42774
 <211> 297
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910060g05d1

<400> 42774

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 gatttacaaa taataactaa aaaacttagg caataaaatc aacaattcta cactttattt 120
 tgagtcttca tataatcata tcttgggct tgcacaagtc gaactacaac cttattagat 180
 aagaattgcc ttcacatgaa ctcttttgc ctcttgatc ttttgaactt ttcttttgat 240
 aacaggtcac cacttggaat cgagtcctt ttttcttga actttgcctt gcaatat 297

<210> 42775
 <211> 505
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910060g09d1

<400> 42775

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 tctgccagg ctttgtcgtt gttgaagatc acagctgggc cgaaactcct tgcagggtta 180

atgccggttc cagtgcacagg gattgtagcc aagtgaacca tgaagacggc aaaccaaatg 240
 ggaagtgggtg ctaacacagg aacatgagag tccctagcgt tcctcttagg atcagtggcg 300
 gagaaaacgg tgtagacaag aacaaaggta ccaatgatct cagcacccaa agcgggtacct 360
 ttgtttagtc catcgctgac agtggttaacc ccacctccgt acctgttgta gaacgatttc 420
 tggaactcct tggccaaccc agcaccgcag attgcaccgg cacactgtgc tatcatgtac 480
 aacaacgccc tcatcaaaga cacct 505

<210> 42776
 <211> 467
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910060g11d1

<400> 42776

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 tgccaaatct ttcagcaaca agtacaacgc acaatgccat ttgaatggat ttgggtgggt 120
 taaacacaaa ataacaaaat ttatccagat tacaaaagca ttaaattggg gcagtcatgc 180
 caaacagAAC atgcacatat attccaatct tatagcattt atttaataata caaacttcat 240
 tttctattct aaaattagca aatatgtttt agaaattacc ttaatatgag ctgggcccag 300
 tccttaaacc cagcattgat caaattatca acagggacac tcctgggcct ttcattacgt 360
 ccaggcagta aaataacctt gaatcccaga ttcaaacat cttcatagag ctttaaactg 420
 ggttcaatgg ctgtagctac acccttttcc acccaatcgt taaactt 467

<210> 42777
 <211> 594
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910060g12d1

<400> 42777

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 ctgaaactcg ctgcgcttaa caaaaatgta atcagggggt cgcacaaaca caacacatta 120
 aaacacagat aaataaaagc aattttgcca ccgtcgatca agaaccaggt tctgggaaca 180

aacttgggta caatgaaatg aaatagcaat tttatattga tgttattcag gtattggcaa 120
 ggagaccctt ttttttcccc cgaggacaat ttacattgaa cctttatttg ctgggcgttt 180
 tacaaatatt ataggcgaaa gggggaaatt aatttttgaa gtaaaaaaaa aaaaaaaag 240
 taaatgcaga aggtagaaaa agagttcaaa aaaactaatt tgtttttttt attaacaaga 300
 attggaaaaa caccctttgg ctgatatttt tcaggggagac caacattttt ttggggggggg 360
 caaattcatt ggattttatc acttggcacc cttgagaggg gtaggaacag tttggccac 420
 ttttatgttc 430

<210> 42780
 <211> 534
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910060h09d1
 <400> 42780

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 tcctttttga cagacaagtt tggcaattga aagatagttc ctaacgccgt gataacagat 120
 catacaaaaa taataatagt agccaataat ataatccaag tgaagccaaa actacaaaac 180
 tcaaaggag gaagattggt tctgaaccag agaagagagt actcggtgca aatcctgcca 240
 gattggagag gatatgatga aaaaccagga aacaacagct cccacagccc ccacttcttg 300
 aaaggggtcc tcaatgctgc aaaactaata tgtttttgtc tttggagcct tcttgggtac 360
 ccttttaggg atggagtttt tcatgccaat gaaaaacaat acagccccga aaagagccat 420
 attctgtgta aatntgatga acagttgagt aaattctttg tcctcactat cataaattga 480
 aaaatcataa tggatgggag tagcaatcag ctggtgcagg agcagaagca aagc 534

<210> 42781
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910060h12d1
 <400> 42781

0053113 032200

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acaggggtct catctaata ga atctggggat ggagatttgg gtttgttcat aattctatta 120
aatccataac caagagaact tccacttgct tcacacagct cagtgaagctc agccagatgt 180
cgagatctga attcatttat agtagctgca atctccgacg tagggagttt agcctgagaa 240
agcacagcag ctgctagtgt aagacttggt tccaaggtct ctgggacaac agcagtagct 300
ccagcctttt ctaaattcaa tccatgatca acgtcatggg cacgaacaaa agtcttcaca 360
tttgggaagt acttgcttaa agcccaaact gttctatata ttgcaccagg cgtatcaaga 420
gttattgctg cagcacatgc cctttcagcc tcaaccttat gtaggacctt ttactacca 480
gcattttcaa agta 494

<210> 42782
<211> 471
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910061a04d1

<400> 42782

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ggcacaatgc aagacaaaaa gacatgatcg aggaaccaag caatgaatct ctcccatttt 180
agagtggggc ataccctttc ttccaatgca gaagggggcg cgccgtctgc taccagcttg 240
tcccattcc cttagactat catgccccat cctcttttga tctcttctct ctaaatatgc 300
ctctacattt attaataata aaattaaaac cttagcgtttt cgaagccgtg caagtcgctg 360
actctattca aagacttctt catcattgcc atcttagcca gcttcttcgc ggctctccaa 420
gccgaagtcg gcgtaagcgg ttcgccgttc tcgtccagca gcgccatgac c 471

<210> 42783
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910061a07d1

<400> 42783

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 ccaccaaagt gcacacataa ctgcggggag ggggggggta cattatttag atgtctcttt 120
 aaatTTTTgt tgttctTTTT cttgtttcca aggtcttcta aagatagtgg gcaactgctg 180
 caactctcag ttttcaatgg tgggattggc ctctaacttt ttgaagaatt gatgaaacct 240
 tggagccgaa ctatctttca aagcagggga aacaggaatc tctccgatca t 291

<210> 42784
 <211> 455
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910061a08d1

<400> 42784
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 aaagtccact ggactaaaac aatgcagcta tctattttac acatgataca tcacatggta 180
 ggtttgaatc acaatgatga attagttccc tggaggacca ccaaagaggt aattcaagga 240
 agatccgcca cctggggcag catgaacctt ggtagatggc cgatcctgca cccaatacaa 300
 aacaacaatt aagaacaatt cctcgggtacc ataagaaaag ctcattccta aagcatcaaa 360
 ccaattcttt aatgtaaaaag aaagggtggtt acagatagct gtgctagccg ttggtttagt 420
 actttctctc catgtaaaaa ttcctaacaa ttcac 455

<210> 42785
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910061a11d1

<400> 42785
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 tctctattct aacaccacaa catcattttt attttatttt ttataacatt ggtatgagaa 120
 gaaagaaaaa ttcattgcaa tccagtgtga caaacataag ctcacacaag acccatttta 180
 ttcctacagc aatcttatta gagagaaacc ctttgtgcaa gggcactgct caaagagaat 240

aaagatggtg tggaagccta ggctcaacaa cagtttccag tggatatttc ttaggtgtag 300
 agagcccaaa aatctcatcc atattcaa atctcattctt gacattatca ggcagtctcc 360
 agttaaatcc atgcaacaaa ttggccaaac ttgcttgaat gaccttaagg ccaagagggt 420
 agccagggca cattcttctt cagcaccaaa tggcaatagc tcataggcat gccctttaac 480
 atcaatctcc ttattaagaa acctctctg 509

<210> 42786
 <211> 506
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910061b01d1

<400> 42786
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 ttccaagaca atgagtaa ag atccacacca agacatcctc tcaacaaa ag acttcttatt 120
 ttattttacct atcaa acatg ggagtagtaa aaacactaga ccatatagat agataagata 180
 cggctctgata caattcattc tttagttaaa gtcattctgtc ttctctcacag gtcctctggg 240
 ccattaattt ccttgtctac aatggtaaca ccgtcgggaa cttccagctt tacaccgggc 300
 tttgatacga tgctgacttt ccccttgagg ataacaccag ctccaaacca tacatcacca 360
 gccactttta gactgtcaag ctcaacaata ctaggaattg acttgaagcg gcccaagaag 420
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 gctttgttcc gaatgacaaa tccgtc 506

<210> 42787
 <211> 553
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910061b03d1

<400> 42787
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 aacaaccaag ttaaaaaaaaa actgtatcag cagtcaagac tgtatccaag accatatata 120
 acataattga taatccttaa ggacatcaaa cagaaaatcc cctgaaaacg aggtctttga 180

gttcacaaaa ggatacccta taataaaaac ctatatatag tcctatacta ctgcattagc 240
 tacaagataa aataaactcc acataagctt taagcaggtt tcttgctgtg gactccatca 300
 ccaacatcac gatcacaatt cttgtagctt tatttacata aaaggggaga taaaggggtg 360
 tcagaagact cctgccatgg aaggcaggtc gtcgaagctc caaaggttca tagggtttcc 420
 ggcggcgtca tgagttgctg ctccgccgag caaagacgcc aatgtagcat cagcccaggc 480
 ttcacatcaaga aaagaagggg tctcaaagaa cttgagctgg gattcatgtc tgcaagctct 540
 tcggaagggt ttt 553

<210> 42788
 <211> 513
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910061b04d1
 <400> 42788

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 gtgagaaaaca ggattcacag gaaatgcccc gtatcctgca tccccaaagg gatttgctgg 120
 gttcatcagc atatgctgct gcagtggtg atatggttgg taatgaagga atggatttat 180
 atgctgttga gcaattgctg ccatttgtac ggttgacgtg ggaggggatgc tacttgataa 240
 agcaaaagga tcttgcaactt caaatggatt tggggctggc actacatata ctggttgctg 300
 cgcagatcta tatgctcctt catcatataa gctgctaagg gtgagagaat tcaaccacc 360
 cgccaactgt ctctcattga ctgaagaaat attggtactt ggagtggaga ccagggcaat 420
 ctcccattca gttggatcaa aatctcttgc ctgagcacca cttgaatcta aagcagtact 480
 tncagtttca gtggagacta tgggctaggg cag 513

<210> 42789
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910061b06d1
 <400> 42789

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 aaggaattaa gaaaacaatc tgaatagaaa aaaactgggtg cacataacat aaaacgaggg 180
 aatcgttgat actatcttta atttatcttt tggcgggtta agttgctcac attcatctga 240
 aaagcacatt tccacctaca aattccattt tgagtaacat atataaacac caacctaaat 300
 tacctaattgt aacaggaaga caccgcatct tctgcttatt ccatatcttg caaagcgttt 360
 cttatcatat tactgagaat ttatcactct gcagtttttc ctaatctctc catcagtcctc 420
 aggcttaata tttatattcc ccatcttgat catagagttg gcaaagtcctc caagaattgt 480
 ccactatcgt tgctatagct tt 502

<210> 42790
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910061b08d1
 <400> 42790

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 ttacaaattc aactagtaag ggataagacg actaaaatgg cactcaaacg caaggttgta 120
 taaatcacia atcataataa aacacactgg aacaagcaaa gcttggttaa aggtgcaata 180
 gaatttatgc cacaacttgg aaaattgaga gagtttgga ccataactac ccaagttgac 240
 catcccacia actaggatat ttccatgag taactaaggc ttaaggagtg ctgctccac 300
 cagaaagcct actatcttct ataatcattt tagttggccc ggcttttgaa cacatcaaga 360
 cccatcttag taggatca 378

<210> 42791
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910061b09d1
 <400> 42791

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aaaaaccctt tttttagaaa accgaaatta agaaaaacta acatttttga agagggggccc 120
 cattccactc cccaaggggt ttcaaaaggg gatcaatgat cttcccttgg gacaaagaag 180
 tgaacacttt gtcacacttt tcacccgggg agataaccct ttcaccagtt agcaatgggtg 240
 gcccacaactc ctttttaaca aacttgtgca aggggggaaa actgcgttcc ttgatcttgg 300
 ttggaattgc acattgggca tttttatatg caacttttgc accttccact ttcttaggga 360
 aaaggggctt caactctttc ttaaaagttg caatcttttg 400

<210> 42792
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910061b11d1

<400> 42792
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 tcttttctta agagaaaatt acgtttttcc gggaaagctt tggaaagtag caccacaacc 120
 acaacctcaa tctcaaaacc caaatgcagc ttgacatgaa tccatgccaa agaacttaaa 180
 tctttttgag aaattccatg atgttggtat tgaaagcaca gcaaacaact cggaaacctt 240
 ggaatccaga ccctttggcc agagcctcaa actctttctc tgttctctct tttccacctg 300
 gattatgtgc caacatgatc acatcgatgt gaaccacacc ttttgtggcc aagctagagt 360
 ctggagccac tggaagaatg cattctgcca caatcacctt cccattgtct ggtagtgcct 420
 cgtagcagtt cttcaaaaac ttcaagcagt gctcatcact ccaatcgtgg caaatccact 480
 tcataaaaat agcatcagct ttcggaacac tcgcaaacat atctccacct acatgctcca 540
 ctccaggata ag 552

<210> 42793
 <211> 590
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910061b12d1

<400> 42793
 aatagaaagt tgacatttaa taaaccaaag gaacacggcg cagcaaagtc ctgaaactcg 60

ctgcgcttaa caaaaatgta atcaggggtt ccgacaaaca caacacatta aaacacagat 120
 aaataaaagc aattttgccca cgcgcgatca agaaccocagt tctgggaaca acagttgcga 180
 gatgatgggg gagacttcaa actttgtccg aaaaacaagc tacctagaaa agaagacaca 240
 agagtacaga aaagaaacca acatttattg taaccaacat cccctgatga accagcccgc 300
 acgattcact tcttcttctg ggcagccttg gtgaccttgg ctccggtagg atccttcttc 360
 tcaacgttct tgatgactcc cacagcaaca gtttgacgca tgtccctaac agcaaacctt 420
 ccaagtggag gatactcgga gaaagtttca acaaccatgg gtttggttgg aatcatctta 480
 acaaaaccag catcacggtt cttcaaaaac ttgggtcctt tctcaagctc tttgccggat 540
 cgcctgtcaa tcttggtcat gagttcagca aacttgacag caatgggaga 590

<210> 42794
 <211> 529
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910061c01d1
 <400> 42794

gtagaaatat caaattgagt tgtataaaag cttcaagcct tcaactaagt aaaatacatg 60
 ctagatgcat caaactccaa ctattgtgtt gtaagtgccca taaaatgcga aaaataatcc 120
 agacaataat acaatagaat ccaaggcttt ttgccagatg ggtagggaag agccaaataa 180
 ctttaggtga aatgtggctg gcataacaaa tgagagcatt gcacataagg tactccccac 240
 aaatgaggca tatacaccaa attctggcac aaatgaagct aagactgccca gtccaaccac 300
 cacaatcgct cggctgatgt acatgcaa attttctagt cctgttgaat cattattgtt 360
 tctgaggatg attttgagtt tcccttcgaa aatctcatta attgggtgta acatgattgg 420
 gagtgtgaat gcaagcccca cacataatcc tacctgtact gcaagagatg accaattcct 480
 agggagattg agggtcacaa tgtctctagt ttcttcacca aaagccatg 529

<210> 42795
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910061c03d1

<400> 42795

agagatacaa actacagtag ttagatgcca ttggcacaac agttggactc ctgtacctcc 60
 ttactttgct tacctagatc ttctcaacga acaaagcaaa acactaagcg agaccttatg 120
 ttcacaatgt atttacaatt gtcaccagga aaataaaagg atacttaatg acaaacattt 180
 tgcagtctac aaaagtataa ctagatacta atagcagtta tcctggaggt agctacaaat 240
 atataactag cttaccttct ttgaaaatta ttgttgact gagaaaactg tgtttgagga 300
 tcaacgccag cgaaaccttg caggctcggt tttccaacg gtaggaatga agaacttatt 360
 gatggctgct gccccggcat ggacttaacc cctgtatcat ggagaaacga aaaatcactt 420
 tgagaaaagc aggaagatcc taaatctggc aacattgagc caccatcccc ttcgtcatga 480
 aagataacag gttcctggaa acat 504

<210> 42796

<211> 491

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910061c04d1

<400> 42796

ggacaaaaaa aatgttataa tagtgattga acacgtaaca cataggctgg ttacaaaaat 60
 gattgaaatt tatgacttac caaccaatta acctttgcac ttgtctagat tccaagaga 120
 tagaagcaac ttgatttttg tacacagaca ttgtaatatt acaactatat attatgaaac 180
 taaacacata acttgcgagc ctcaagctag cctagtagt attaggtctt cattcttgag 240
 atcaatttga ttctctcaac gtggctttgg atccacaatc tcagagaaaa cagtcccaga 300
 catcaactta tcaactctct ttgtagctact actaagctct tcgctatcag tactcacact 360
 caccacaccg gtacttttgt taaaatccga aacctggccc aactgggttc cagtactaaa 420
 caaatcatca ctagecctnct cctctcttct ctcatntaat tcattatcaa caatattagt 480
 attttcacgc t 491

<210> 42797

<211> 352

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910061c05d1

<400> 42797

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cgccccccaa aaaaaggggg ccccgctttt ttaaacagga aaaacccccg ccccgcggg 60
ggggctttta aaaaaaacg ggggttttgg aaaccccccc cttaaaaaaa aaaaaccccc 120
cccctcccca gccccggggg gggcgacctt ctttcaccaa ccgggagaca aaaaaacggg 180
aaggggcccc ccccgcgat ttgacgtaaa ggggggttaca ctgagggggc cccccaaggg 240
gggggaacca aaaacacaaa aagggggggg accaaaaaac cccaccccc ggggggggtt 300
gaataatacc cccccaatt gacacccccg gggacaacca aagggggggg gg 352
```

<210> 42798

<211> 537

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910061c06d1

<400> 42798

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gaacactaaa aatagaaagt tgacatttaa taaaccaaag cgacacaacg cagcaaagtc 60
ctgaaactcg ctgcgcttaa caaaaatgta atcaggggtt ccgacaaaca caacacatta 120
aaacacagat aaataaaagc aattttgcc a cgtcgatca agaaccagt tctgggaaca 180
acagttgcga gatgatggtg gagacttcaa actttgtccg aaaaacaagc tacctagaaa 240
agaagacaca agagtacaga aaagaaacca acatttattg taaccaacat cccctgatga 300
accagccgc acgattcact tcttcttctg ggcagccttg gtgaccttg ctccgtagg 360
atcctttctc tcaacgttct tgatgactcc cacagcaaca gtttgacgca tgtccctaac 420
agcaaaccta ccaagtggag gatactcgga gaaagtttca acaaccatgg gtttggttgg 480
aatcatctta acaaaaccag catcaccgtt cttaaaaact tgggctcctt ctcaagc 537
```

<210> 42799

<211> 412

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910061c07d1

<400> 42799

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aaaaaaaaa aaaaagggg ggggggggga aatatttccc cccaccggg ggaaaaaacc 60
ccccaatttt tttaaagttc cccccgggga cccatggggg ggggggtttt tttttttttc 120
caaaacccaa acccgaaagt ttttggggg ggggtctttt taaaaaaaaa aaaagggcc 180
ccaagggcca aaacggggg ttttttggtg ggggccaaaa aaaaaaaaag ggggggccct 240
ctttaagggt ccacaagcga ataattttt tcttctttag aaaaaaaga ggggggccct 300
tttccccggg gggtttggg ggctttataa aaccccccc cccggggggg gaatcccccc 360
cccaaacctt tttttttttt taaaaaaagg ggggggggtc ccccggggtt tt 412

```

```

<210> 42800
<211> 544
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910061d02d1

<400> 42800

```

```

gaagttggca aaaatatata ttcttattct caatagatga aaaatgatct agtagcacca 60
aaacacagaa catgttttcc caaacaatga caatggctat actacaatat atggttttgt 120
tgtatcatca aatgaatata ttccaatcag acccaacttt cctcttttaa gactatgtac 180
acagataact cttctaatta aggcaaacca ctcaatagca gtaagaaaat aaaagcatgc 240
acacaagtgc aattaactct tatcattggg acatcaacat ggcctctcca cagagtctta 300
ttagcattcc accccacatt gtttgagcac tggaccagtt tgcttgggca agaagggatc 360
aatcctgacc caaatcaatg agaaaataga tgctagaagg attgaccaca aactacaat 420
ggtaggagtc ctgttttgct ttcccatgag acctttgagg aaagggtaca agtgaacaat 480
gaccagaag gcaaagaaca gcttcccaaa caaagggtcc catgaaccat atccattggt 540
gatg 544

```

```

<210> 42801
<211> 548
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910061d03d1

```

<400> 42801

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caacacaaac caaacttatt ttcaaaggtc attacagacc cattacacat gacatttctt   60
cttaaaatgt ttgggaaaat ccaacatcga acatcacaca gaaatcagct ccagcttaaa  120
acccccccacg aagacgcaac accaagtgcg gagttgactc cttctggatg ttgtagtcag  180
cgagggtcct tccatcctct agctgtttgc cagcaaaaat aagcctctgc tgggccggtg  240
ggattccttc cttgtcctgg atcttcgcct tcacattgtc aatgggtgtcg gagctctcca  300
cctcgagggt aatagtctta cccgtaaggg tcttgacgaa gatctgcata ccaccacgaa  360
gacgcaacac caagtggaga gttgactcct tctggatgtt gtagtcagca agggtagctc  420
cgtcctcgag ctgcttgccg gcgaagatca gcctctgctg gtctgggggg ataccctcct  480
tgtcctggat cttanccttg acgttgctga tgggtgtcga gctctcgact tctagggtta  540
tagtcttg                                         548

```

<210> 42802

<211> 447

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910061d05d1

<400> 42802

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ggaaaaaggc ccggtttaaa attgaattgg gggggaaaac cccccaattt gaagtttttc   60
caatcaaaat tcaaattctg caaaaaaaaa aaagtaaagg gctttttttt ttgggttccc  120
ttttttctct ctttctggct tttaacgaag gcttaatccc aaaattaaaa tctttggggc  180
cctttttttt ttagaactca aggaaaacaa actccaatg gaaaaaaaaa agccgggtcc  240
tccatttttt tatccaactt tttattctca gtttactcaa caggaggggg cccaaactcg  300
gccaatTTgg gggTcttggg agcataaaac attttaagaa aggggggggtt ttcacggggg  360
gaaaggTtaa acacatgctt ccaaaagcca taaacccccg gggggggggg aagcctctgt  420
gggaaaaatt gcgcaggggt cttttttt                                         447

```

<210> 42803

<211> 500

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910061d06d1

<400> 42803

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ggcatcagaa gaatgatatt gtcaactatt cgtaatccat caaaaagatc gggctgatta   60
tataacttaca ttatgcagca ggggcacagt acaatttctc tgaaacactg atcaatgggg   120
ctatacaaag tcgtctttga caaaacaatt taataaaata cacaataaac aaggctcaat   180
aacaaccttt gcacccccta taacttgag atttgtttca gtgatcaac ataatttgta   240
aaatcagttc cgaattgcta acaaccattc atctggacct caccatttcc tgccatgtca   300
cctaactaat acaggtaata tggcagttaa attgcatga cttgtctaaa aacagtgaca   360
taggaaacta gctagatcaa aatggtaacc acaaagcaca accaattttt caaatataat   420
atgactgaaa catttcaaag tttaggacat aatatataag cctggcctaa aaagcatagc   480
aaaagttatt cagccccaaa                                     500

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<210> 42804

<211> 489

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910061d07d1

<400> 42804

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aggacaaaaa tcaattacaa atttgggacg gccagaaatc attagatata caaaaacaaa   60
aagaactgga tcaactccta acacaatccc aacacctgca cacaacaacc caaaaaccag   120
aagaaacaca acaacaaaaa aagctatcac actgaagcat acagatttgg aacaaaagaa   180
aaccacttga aaccacagct acatttgaga ggcaaagagg ggcaccttgg aagccaatgc   240
caagtcctcc tagaaagcaa gtaatacaaa atctctggcc aagtgtagca gcaaatgcag   300
atcatccctt catgccaaaa gcaataaaca tgttcatagt tatggtaaca cactgacaca   360
aactttctac acataagatc aggcaaactt tgaacttcca cccaataatt cccatcttca   420
cccaattccc acaacttgat gtccttgaa attccattgg tcccaacccc accaaccaag   480
tacaattttt                                     489

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<210> 42805

<211> 500

<212> DNA

0953113-032200

<213> Glycine max

<223> Clone ID: jC-gmro02910061d10d1

<400> 42805

gaacatagaa acaaatgaga ttataaata taaaaattga acaaaactga ggaaggctag 60
taatttactt atttacagca agtcatcaat cattctgcta tcctagaaaa taaacaacgt 120
attaaataaa atgggttaa atggtaaatgct agtcaaactg cttcgagaca tcaactccagt 180
gatttggttc actgctcgat ttctgattcc aaccaagaa agcctcaagc attaccaggc 240
gagttagtga atgtaaaggc ataattggacc ttgaagcaat gcaacaacta acggtaacca 300
actactgctt ttatccatt cagggtgctt aaacagggat cttctttaag cgagcagcaa 360
ttggcatgcc caaaaatcca accaacaagc aaaagaacca ctgtgccagg gtgagagggtg 420
ttgtgtttgc aaagggtccc aaataactcaa ctattatgat ttggaagaaa cagtagcact 480
gatgacaccc acgaaaacat 500

<210> 42806

<211> 441

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910061d12d1

<400> 42806

attcccctca ctttggttgg caaccccaaa aaatggaggg gggaggggaa aaaaaattac 60
atcatatttt ggggggggca gcaaattcaa aattacaatt gaaatggaac catgacagat 120
aggaacttac ccaacttggg aacacacccc acatttattt tactacagat tcaaggggaa 180
gacaaagaaa gaaagaaaat gcctatattt tctgctatct ttcttgagta caacaaattg 240
aatgggctga ctctatatac ataaaatgaa agcctatgcc ttccaagga caattgtagg 300
agtaactcta tggccttctt catattcctt gaggaggaaa ataatacctt gattcatcac 360
atgtggagga gattattcac agtaaccgag actgaatttg tcctttgcaa gtcctggaat 420
atcatgtcat ctggaatatg a 441

<210> 42807

<211> 434

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910061e01d1

<400> 42807

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aaaacacgaa gccttattca cagcacgggg gggtttttca aaaaaacaaa gttacattcc   60
cttcctgtg gcacagggtt gaccaaatac actgaattac taaaattgac ataaaaggaa  120
cacttggaag aaaaaagca aaattccaaa cgattttttt gggaagagtc aaaccccaat  180
aattcttata aacaagaaat tcgggtggtg gaccataat accgattcct actcgacta  240
gttttttaaa acaacaccaa cttcgattga tcagtagctg tagttcgaaa catgggggct  300
ttttgaggca ccatcagcaa gctgggagtt acccttgag ggtcccagag ttgcctttga  360
gttagccttg gctcttacca aaagggttt ctgagcctct ttcacatttt ttttttttcc  420
gccccatgcc ttaa                                     434

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<210> 42808

<211> 323

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910061e05d1

<400> 42808

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gattgttaaa agaatgaaca aaaaaacagg cattgtgatg tttattgaac gtggcccaat   60
atctacaacc attaacattt aaatgacttg atggaaaata caaagcatgc ctctgatatt  120
tcaagtgcac gaaaaatctt tatactcaaa cactataata aactgggtac tacacacttt  180
tccttttaaa acagacagaa agaaaataac atgctctcta tgtacatata ttggataact  240
aaaaggaaaa cagcgacacc aaactataag tttaaagggt cattagaata aataataaaa  300
tttgcctatc caataagcct tgc                                     323

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<210> 42809

<211> 427

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910061e06d1

<400> 42809

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 aaaaaacttt gagctgtttg acatacaata atacatttcc ctatcttctc ctatgatgtt 120
 tgggtttaca taacaaaaca tcaaattcct tatattttta ccatcaagtt ctcaaattaa 180
 atattgtcac gtgatttatt tattttttaa aaaaatccgc cacattttta acggggctgt 240
 ttaaagttga aaacattatc tacatgttgt ttaattcggg aactttaagg taaaaatata 300
 caaggaattt gaccaaagtt tttaatctcc ctatctatag ctatgattgt attatcacca 360
 agaattgaag atgaatcatg caaacactgg ttcattgtcca tttttttatt gtgaatgttt 420
 tggagag 427

<210> 42810
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910061e11d1
 <400> 42810

cctattcaat tttccaccaa aatacatcca atactgaccg agaatgggtgt tccaaaaatt 60
 ccaaaatcta atcccaacac agaattataa agtatcaatt aaagcaagac ccaaactcat 120
 tcgaataaca aaactcgata agatgaccgc tcaaaacctg atcttggaga aaaaccaccg 180
 tttcttcccg gttttgaacc tattcccgag gcgattcttg gtttccttga gagcagcgac 240
 cttcttattc ttggcgtgga aaacgttggg gtcaaccggg gcctttaagt caacatcaag 300
 cgtaaategc gtgggcatga cgggctaggt gattgactag ttttacaatc actttcacgc 360
 gcgaattctt ggtcgatttc ttagccgagt cct 393

<210> 42811
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910061f01d1
 <400> 42811

agtcatggat aaatacacat attatgattc acagcattat tggagagaat aataataaaa 60
 atagcactaa cgatctctgc tgagctagca gtttcaataa tttatgctcc aaagtactgt 120

atcatttcat cctcacacac gaaatcatct aaatggaacg gactgccgag tgctccaaaa 180
 tctaatagaca tgctaagggg tgatccaaag aaggagtgat ccataggtct atcaagctca 240
 ttttgaaatg catctttacc aaaatattgc aagtctcttc cattaattcc atcccccttc 300
 atatgtactc cttgtaaaga aactgcatca ttctctagcc taactgcttc attgtttgca 360
 gaatgtagct gctgcccatc ctgaccaggc tcatatcttg ctgctggatt ataaagatta 420
 taagtgttct catgatgcat gtcagggttt tgcaactcac gatagtgcac tggttttcca 480
 ctcatataca tgctntctga ggaaacta 508

<210> 42812
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910061f04d1
 <400> 42812

ggtacaaaat tctgataaaa tttccattgc atcagaacgg taacattgca taaccaaaaa 60
 ataaattgtg agtaaaagga gaaaaggaaa aaaaaaaaca gtttaagtat tgatgagatg 120
 acattagacc tatgaatgaa gtagtagtag tcatgaaaca cgcaaattat tcatccacac 180
 ctagcaagac atccattgaa gggagtgatt aacttcacaa caatcttaag cttgaggctt 240
 ctcagacttg agtggcttca caacttccca ggtgaagtca gggtcatccc ttccaaagtg 300
 tccataagca gctgtcttga ggaacctatg gccacccttc ttaagggtcca agttaatggg 360
 gatcattcca ggtctgaagt cgaaattctt cttcacaatt tgaagaatct ccttgtcagg 420
 aatcttccca gttccataag tgtccacaaa cact 454

<210> 42813
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910061f06d1
 <400> 42813

ccctctctta aatctagcat ggcgtgctca ttaatgtaac attttattta cccactcgta 60
 aacatagata tcaattaaaa catgtcctac atactcctcc ttataaacta aataaaacct 120

tggaagttta ttccccaaaa aagtaaaaac atgtatgtta taagccaaat ttgaacacaa 180
 caatccaaat aggatgtttc actaaactaa attcactttt tttttttctt tgagggcagt 240
 aatgt 245

<210> 42814
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910061f07d1

<400> 42814

gaaaagcagt tctactatta ttttattggg acgggctatc acataagacc catcttcgaa 60
 cgggattatt tgcttagaac cgtacatcac aaaaccaca gaggcctaca aactgttaca 120
 gcaagcatgc acaaaaaaca cagttgaggc cgtgaacaac ttatggggcc taaaccaact 180
 ttgattggaa acaaagaaca ttgaacatgg ggggtacact acgaaacggg aaatgtaaga 240
 aaaccactcc tcggtcgggg cctggaatgc gc 272

<210> 42815
 <211> 349
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910061f09d1

<400> 42815

atggggaata taattcattt cttggggaaa aaatgacaaa taggatgagt ttgaagcgca 60
 ttcttatcca ccacattatt gggctcagac taagcaaacc ttaaataaaa ggactcacga 120
 aatatataac tataaaatct cacaaaacaa tctatgcaaa caaaatcaca ctgtccactt 180
 aatttctaag gctctaattt aaccactttt tttgggtact tcttcatagc tgcacttaag 240
 cctgaataaa gcaattctag taataacagc actttggctg tgaagatttg tatcttcttg 300
 atgatggatg gcaaagaaat cttggaaagg acttttttct ttccgaatt 349

<210> 42816
 <211> 505
 <212> DNA
 <213> Glycine max

0953113-032200

<223> Clone ID: jC-gmro02910061f10d1

<400> 42816

aaattaaaaa gtttaataaa taacaatgca aataatttgg ctacagctca cccaacatat 60
gggcagtaaa aatgaagatg aagaaagcac gtcaaatgt caaattacac gaagcaaatt 120
ctacatttac ggcaaaaaaa aaaaggcaac agataaaaaa gcaaattctt ttctttttta 180
atttcctttt tttctctctt tttgaactcg ttgtctacct tatggatcca cagcttatgg 240
atgaaacctt gcaaacgcca gctgatgtgg tgagtggaaac atttttgtag catgccacca 300
gttcctcatt tgtgtgcaaa tcgacttgca atggttccca aactttcttc tttgggttta 360
agagttcatc aggattacct tcatacccag ggaatgtaat tctttctcct ggttgagcag 420
aactgggagg ctcaaccaac tcaaccttgg tgtgatcacc atcggaagca gcaagaacca 480
ttgcttgaga attaatgccc ctcac 505

<210> 42817
<211> 507
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910061f11d1

<400> 42817

aaaacaactt gatatgacaa ttaatcattt catatttcac acattcataa caaacgtagg 60
tgggatatta gagtactatt attaatggga cacaattgag ttcaacacaa accgaactta 120
ttttcaaggg acattattac agaccatta aacatcaaag ttcttcaa at gttttgggaa 180
cacatccaac attacacaac gagcttaaaa cccccacgg agacggagga caaggtgaag 240
ggttgattcc ttctggatgt tgtagtcagc gagggtcctt ccatcctcga gctgcttgcc 300
agcaaaaatc agcctctgct ggtccggtgg gatgccttc ttgtcctgaa tcttggcctt 360
cacattgtca atggtgtcag agctctccac ctcgagggtta atagtcttac ccgtaagagt 420
cttcacgaaa atctgcatac caccacgaag acgcaacacc aagtggagag ttgactcctt 480
ctggatgttg tagtcagcaa ggggtgcg 507

<210> 42818
<211> 469

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910061g04d1

<400> 42818

agcaagttga tttttaagat aaatgttgat ttgtatccgg gcaggtaaatt ttctagcgtg 60
acaagaaaca caaaaagatc tagaaaagac agtagaacat ttgagaactc caccattcac 120
gcaacctgtt ttaatgaaag gaatatctgt catgaaaaat ctacatgaag agaaaatgat 180
cagatgatgc ggccggcacag ggtaatccca tcacccacgg ggagctggca aatctcgatc 240
ctcgaatctt gagccagata cttgttgagc tccatcacat ggccgcgaag aggcttaatg 300
taatccatca atggtgcacg ggggtgtgca gccacagatc cagcccatag ggtgttatcg 360
tatccgatca gtccttcaat cttcacaagc tctagaaccc tcttgtggta ggtcaagtaa 420
ttgtccttat cagcatccac gaaaacgaaa accaacgacc cccttttat 469

<210> 42819
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910061g06d1

<400> 42819

gatctgcaac tagaacaaca tatattgggg cggtgtgtat tataaaaaca tacaatatat 60
ttcaattctg atgcatagca tataaaacgc agaaaaaaga agtggttatgg ttaacttgag 120
tcgggggagag ggggggataa taacatctaa attcacaatg tccactagta attgggttaa 180
cttacatgta caaaactaca cccgcattat gagaataccc agcgcactat aagca 235

<210> 42820
<211> 463
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910061g07d1

<400> 42820

cttcttctct tctgatttat gatcctccac agcatcaccg ttgggggtcta tatccacgtc 60
atcttcagca tcagcacctt tttgtttctt ctttttggtt ttcttgcttg aaacttcagc 120

002220" ETTES60

aggtgcttct gtttccatct ctgtatcttt gttttcagca ctttcaatag cagcctgcat 180
gacatctatg ttcttgcgag gggcaactcc cttgtcataa aagtcaagtc gttcctcaac 240
ttgctcacgg agtttctgcc caaaaacagt agtacccttt tcagaaaagc agtcaatccg 300
tgatgcaatt gagcatttgt ttgcaagata acgagccatt ctacccttat ttttggcaga 360
tgccccacca ataaaagaag agtggaatat caaacatat ttgggagtggt ttcctcttgt 420
ttttaatgcc ctgaacaaag ccttctctgc accaagaatt tga 463

<210> 42821
<211> 313
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910061g09d1

<400> 42821

aggtcaaacc ttttttttga aggttatggg gatattgtat tatgtatttc cttaacatac 60
ccttagagcc ccttattttt tatatttatt tgttccaggg gttttacaac ttttggagat 120
ttcgattgca tgatcttatt acttgggatc tttgattggt tggaatccca tgttgggaaa 180
gatgggggtca ttatcacatg gtgtgggctt attgtcacaa cctataaatg ttgttccagc 240
agcatgaaca cattgttggg cctcggcaag atgaacattt ccacttttat ctggctcaca 300
aactttgtca aca 313

<210> 42822
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910061g10d1

<400> 42822

agaaacgtgc ttttgcctaa ctaagcatat gataaataag cggagtcagg ttaaaataca 60
aacagccaat ataactgtgt cgtcattatt ttctgctgca aatacagagt gttatttgtg 120
gatgccagta ttatcaatca acattgatga tgaatgcac aattttcata aaaaagcaaa 180
atctcacatc taagacattt tattgaattt tttcctgtc atttaacatt gaaactactc 240
agtctaattc atgcgttacc atg 263

<210> 42823
<211> 395
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910061g11d1

<400> 42823

cccctcggga gaaagtgttt tttttttttt actttcttaa ccaattggga tgggtcactt 60
attagccggg gccattaaaa aaaaatccac caatccgggg actcccttgg ataccacctc 120
ctccggattc ataaatattc ttaaccatca agattttggg ccaggggagat aaatggaaat 180
aaacaacggg ggattccatt tttcacctct ttgggggtca tttgacacct aaaatttccc 240
attaaaaatt aaaaacaatt ttacaaagcg gttttggctt ttgttccac taccctctcc 300
aaaaattata tttttttttg agaaaaaggc ctccactccc aattttttat gggacccttt 360
ttcttttttt ttttacgtgg actggaacac caacc 395

<210> 42824
<211> 585
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910061h01d1

<400> 42824

attaaaataa catgatttca gtttctcaat cttcaacagt gtcatgaata catgtcttag 60
cagcaacaaa aatataaatg tacatatcat acctcttaac aagagcccag gcacacacag 120
agcacaagtg agtgtttgaa atagtgtcca acatctaaca ttttttcct cacaaaaaac 180
ccagataaat acatagaagc atgtatgcat tgctttcaag tccactgttt ttacgggaa 240
tccaagcata ccttaagtca attttggcga cctaggttct cttggctcct ttattgggaa 300
cttgagacaa aacaaagcat aaaataattt agtgaaatgg gctatgaatc atatgtgcag 360
aggatcatca atcccatata ctctgtgattt tcaatctttt tgaccattgc tacaatgcc 420
actccaccta gtgagactgc gctgacaagt attgtgaagg ctagaacaaa gatgattaga 480
gatgctctcc caagcacatc gatcagcttt cttacaatat gctgccctac aattgctgaa 540
tagcagcaac cgcaataaag tacagagcat aaggaactgg gaaac 585

<210> 42825
 <211> 560
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910061h02d1

<400> 42825

aagccttggtt atttataatt ttttttatat ttgaattaaa atgaagatta atacaaccca 60
 catgagtttc aactaatgaa agataaaagt atccaaacac aaattgccag gggtatgaaa 120
 tggttggaga gacgtgcaat taacatttaa caatatgaaa ataacactac attaccaaac 180
 taaaaccact gcagaaggca atgtatgtga acacacaaca gagcttctgg acgggaaaaa 240
 gttccccagc cacacaaatc ttgtttttaa aaaagaaaat atttattata aaacgttaat 300
 aacattcggt gtcaagtcca tcatcacgga acccatcagc aacagatcat caccgagttt 360
 tctttactct tctgcagcac tagcagcact aagatccaca ctgagggtcaa taacctttcc 420
 agttatcaat gtatacatgt tgagaacgtc atccacagtc gactcanagt gagtagtagc 480
 atcataactt gttgatataa agcagttgtc caaagtggng ttcgtgactg ggtcatatct 540
 gtcatagata tcaaaaaata 560

<210> 42826
 <211> 422
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910061h03d1

<400> 42826

atccaacgaa atgggggata tgggcaagac aataatagtg tactgccaaa aacaagtgac 60
 atttgtttgg attctcaggc aaaacggtac caciaagggc ggaaaccctt atgctgaaaa 120
 ttatttgagg gagggaaaca aacaatgccc cgataataaa aagtgggact aattattaac 180
 ttaaaaagcc taaaaaagaa aaaagaaaaa agaagaagat gattgattct agatagatct 240
 acagtttgca accgaaccca ataatccgtt gggcaattga atcacaaaaa aaaagtgtaa 300
 ttaaattgag gaaacggaaa cgtcaccgtt taagggtagt gttttgcaat cgaaaccaca 360

accacactgg gggctcttga ggaaattctc gacgccaaaa tcagcggaag cgattccgac 420
ag 422

<210> 42827
<211> 486
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910061h04d1

<400> 42827

gcaaacacaa gaaagattgt attctattta gcatgtagc gtaatgacaa tatgctcgta 60
caagtaagaa tttttactgc accaaacatt aacaaaccct agaagaacat caaaacaacc 120
agaactatac aacaatttaa aggagaaaaa taaggcgcgc gcacacacaa ctttgccatc 180
ttaatctatg ataatttgtc actatgatat tccaccacca ctaataatgg aggggaaaag 240
aatactatct aagaacacca attagaagat gctacaagca ttctcatagc acatactgtt 300
aaactggtat cacatcattc ttggatgcat cttcacatct taaaactata ccctcaagac 360
tagttggaaa aatgcatttg gtccattggc aaccagtagt gattggatct ggcggaggaa 420
caatcataag aacattctca ttctctgaa caattcccat tacacttact gggcttcctt 480
ctttga 486

<210> 42828
<211> 393
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910061h05d1

<400> 42828

gggcgcacat aaaaaaaaaag ggggattatt tttttgttaa aatttattta aaagccttca 60
ataaattaaa ttaaacaatc ctttttttta atatagccgc aatcttagta tagaattgaa 120
gttaaaaaaa gtcccttaat aggggaaaat acaattgccc aacaaataat tctctaacca 180
atcaaatttt atggcccact tgtccgtaag tctgaactgg tttccaaga catgcttgct 240
tttagaaaac tttttggcct gaatcaaacc ttttatttta tacattttga aggcctcttc 300
tattctgaca ttttgcttaa accaaatgca agtgatggaa tactttgttc atatttgaaa 360

aaattgtttg gatcaacctt ggcctttacc tct

393

<210> 42829
<211> 513
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910061h07d1

<400> 42829

acgtagaatg gtgaagttcc aggtcttgca caacatacac agacacacca taattttattt 60
tatatacaat cttatggtgc ccaagatgca gatgcatgga ctaattaaac aacaacgtta 120
gtctgatagg cagtgtccat agataaattg ggtaccata aaatggcctt gcttccaagg 180
aaatggcaaa cagggttagt tccaggatca actcccatga gttcatgaag catgtgatga 240
ttcattccag aagtatctga gtggcaaaca gcaagtgcct gagttttggt tccatcacca 300
gccaccaatg gaaccatgaa agctgttggt tcacggactt tatggcagta aaatactgca 360
gttctgaaat ttagcccatg acacatcact gctttgtctc caagattctg cactccttcc 420
acagtgtatt gctcttgctt attgacaaaag gaacttgaaa gtacttgaat ggtcttttcc 480
agctttgaaa tggcaaaacc aattactggt ccc 513

<210> 42830
<211> 524
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910061h09d1

<400> 42830

cgattaactg aattgatttt ataaaatagt acactccctt tttcttagaa tgagttcgga 60
taaaactaat ttgaattagg ttcagataca atctgggttca atccgaacca attattttgc 120
acactttcaa gtgagtcaat atcttttcca tgacatgac tgtggaaacg ctcacataat 180
cctattattt acacacacaa caagtctatg atgttccagg atagttacac aatataaaca 240
tatcaagaga gcaaattggt acatttagac agaacctgta caggaaggca ggtaatcaca 300
actaggaatg caccctgcc aattcccttc aatcaatgcg cggcaacacc gaccgacttg 360
cagcccaatt taggagcatc aatgtccacc cacacctcgt tcttgcgctt gacaatccgg 420

atcggagtat tgtactgccc aatcgagtaa ccacgcccgg tcttgggctc agcccaagga 480
 gacctactca ggctcgtggc gagcttttaa gcctccttga caat 524

<210> 42831
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910061h10d1
 <400> 42831

cgggcgactg gctttatttc atcatctctg acggaaaact gtttagtggt acatacgggt 60
 tcgggtgcaa actagtagcg ctctaaaaaa ataggccgct gtccgaggcc ttcttattga 120
 ctattgttta aaaaatgcaa ttatgaagat tagcatgttt ggctggcgct ctgaatttca 180
 agtagaaaag acaccctcac ctggaagctg cggcggctat acataatcag gtcattcttg 240
 atttcctga gacggttgcc ctcttttaca ggattctgaa tgggatggcg tgttcctcca 300
 gaagatgaat attttggaag atcctagtag acgtaaatgt cttgaaaatt ttatactttg 360
 gttgggaaga ttagaccgta actggttcac ttactgggct agaagctcgt gcctaaaccg 420
 ttggtgattt ggataggcca tcaagaacct 450

<210> 42832
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910061h11d1
 <400> 42832

accatagaaa gtgaggacac tggttaggat tctcctctca catattatta ctgctgtaaa 60
 gtttttagaa gtactcattc gtatcacaca tccaatggaa gagtagaatc aagtcactag 120
 ttccaatatg ggctaggttt tttaaattaa aagaacaaaa atgtataaga ttcacaacac 180
 aatccttctt attcgttctg gtttgactac aaattatgca ttcaaggga tctcgaaaaa 240
 acctacacac tccatgtacg agcaaagacc caattaaatc agaggagatc agaacgtatc 300
 acagaagagc cggacctgaa ggtgttatct taagcctaag cgggagcttg tgttacattt 360
 cctattgttt ttcgatcaaa gatttcaatc cagtatccat caggatcttt aataaatgct 420

atacctttca ttttcccatc atctggcttc ttaacaaact caactcccag attctgaaat 480
 ctttcacatg cettatatgt gtcacatcaaca 510

<210> 42833
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910061h12d1
 <400> 42833

gaaatggaat ttttattgaa ctgctaataa cacaaagcgt gaaggaaatt gtaatataca 60
 tcagatcagg aacatcatga gttttgtaat agtaaatattg gctgagcaaa tccttggtcc 120
 gtttattaag tctactctcc acattatagt aattcacgaa attatctcaa ccagatgtgc 180
 atgcaggtcg tcttggaaga agctgctgat gtggagttct ctgtagtttt ggtcgcagtg 240
 tctccactgt tgctgtagat tgttgattca ctccagcacc ttgcttgcat aatgccagtg 300
 ctgccgaatc aaagaatgct ctttcattat ctttcgatat caaagggctt ttttttgggg 360
 caagcctacc gtactttccc tcggatgttg tcttagcatt cggggcagaa aa 412

<210> 42834
 <211> 488
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910062a01d1
 <400> 42834

gaataaagat tcatatactt tatatatcat' gtcgcatgag tcacattttg tggataaaaa 60
 taacaggaac agatccaaca tgatgaaatt gaacttatcc accaagcttg agacagttac 120
 cagaaacata tgataaacgc atgtccaact agggctattt ataacaaaca gtaaatagaa 180
 taaattttaa taacagtaca aggcagcacc aattccctgg ggtaaacttc taaaactaag 240
 cttttaccga tgtttcaatt ccaacattgt attgcacaaa ttcattgttc acttcagcat 300
 cccaaagctc aggaaatgcc tccttgatat tatgaatact ctctaatagca tgatccactc 360
 cagtggtagc aacagatgta ccaatcgcaa ctgtgtggag gcccaagcgt ttggctgtca 420
 ataaattgag gatgctgtca tcaaaaaaca atgctctttg aggggtcaata tctgctaact 480

<211> 450
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062a04d1

<400> 42837

atggcagaaa atccttttatt atagagattt gattatgtat ggaaaataaa aaaagaaaag 60
 aaagcagcaa acagggctag ctaggcattg atggagaata ctaggaagga agaggccttg 120
 gcggaggagg gagtagctga tggaggtttg gaggagtctg attatggttg ggcagcggtg 180
 gagcaatgaa ggggtgttcg aggagcctgg aagcagacca gcggcgagag ggatcgcgct 240
 gcaaacagcg gaggatgaaa tccttgaagt gaggtgaagc agaaggagga gcctctggag 300
 gctgagacat acaaatggcg cacattagac tggcccaatc gccctgcctc cctacagcga 360
 aagggaacct tcccatgtag aactccagta tgctaacccc aaagctccat atgtcccccg 420
 cgtaagcgtc gtattgcccc tcgtttatgt 450

<210> 42838
 <211> 374
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062a05d1

<400> 42838

gtgttattac aaagaggtgg aggaagctgc gctagcttcc cgtggagaaa tggaggtgag 60
 atgagtgagc ttcttagtcg agcttcttgt cgatgttgtc gtcgacgatg actccccagg 120
 aacccttctt gcagagccag gtgatcttct tgccctcgcg agccatctga gcgtacttgg 180
 tgttgcgctc aatgttctgc tggatgaaga ggagtccgtg ctggttgatt cggacgtagc 240
 ggcattcaga agcgccgaag gtgaccgggt aggtgactcc gttgatctcg acgtcgtcgc 300
 tgagatcgtg gatggcgcg tggatcttca tcatgtcctc gttgctgagc atgatggcct 360
 ccttagattc gtca 374

<210> 42839
 <211> 490
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062a07d1

<400> 42839

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 aaacgaaaat aaaaacctta aagcacataa catcaacaaa cattccatta aaatttcaga 120
 ataaatgtgc cttataaccg gctagcggtc ttcttagtca agcttcccat ggcctttgct 180
 ttctccctaa gaacaaattt ctgagtctta ccagttgatg tctttggcag atcagtaaac 240
 accacagttc gagggggccat aaaacgaggg aaacgattct gacaaaattg gattatctca 300
 tctgatgtgg cactgcatcc ctcttgagc ttcacaaatg cacaaggggt ctctcccaa 360
 taatcataag gtttcccaac aacaagtgcc tcaaaaactg ctggatgact aaaaatgact 420
 ccttccaacc aaattggcta atattttctt caccagagat gatgatgtcc ttcgagcgat 480
 ccttaagctc 490

<210> 42840

<211> 398

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910062a09d1

<400> 42840

aattatgcca accattatac catagcggtta aaaatggaaa accagtgtaa tgtatacagg 60
 taccctacta aaaaagtaca aagatagaga ttatagtcac cattttctcaa gcattaaaca 120
 cttttttcgc aacacgcaga tcccgtgact tttcatactc acaagattat tacactgcaa 180
 tcaaagcatt ccagtccagg tcgatgcaaa aacttgtaca gaagccaatg aaatatgcgc 240
 gataacaaga cattaagcaa agattagaga ccctgttcaa tgagataatc accaagcctt 300
 tcaactacca tgttgcattg acctggagtc attggttcat cataaatgcc aatgatcaag 360
 gccgcaccgg tcttctttac agtaacacca ccaggacc 398

<210> 42841

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910062a10d1

<400> 42841

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aatgtgttc ccgtttgaca attggcctgt aaagaacctt acatgcaaaa ttttttcatt   120
cctacctaca aagttttcag caagggggag ggtgagagca aaaccctccc ccccaaaatt   180
caaaattcctt aaattttaaa aaaatggaaa caatgcttga actttaaaag aattttattc   240
aaccaagctt gagttccact taagcaactc tattgaggag tcctt                       285

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<210> 42842

<211> 449

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910062a11d1

<400> 42842

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cttatgaatt aaatgcaagt ggaagacatg ctttcttatt atcaaaggaa acggacaaac   60
accctatggc tgtttgtgaa ttcgaaaatc tcagactggt accatcaaaa caaaaaacag   120
tactcatcaa aaacatacag caacgaaaat gttaccgccg atcaagaacc cagtttagaa   180
ggctacggct acatgaaatc ggtcggcact tcaaaatata tactggtaaa acaaacacct   240
aagactctgc aaagataaac tactggaaag gaacaagttt ttttgcaacc acgttgctga   300
tcacatgtgc tagcaaaatt gccaaaatgc aatcacttct tcttgccggc ggcctatgtg   360
accttggtctc cgggggggtc tttcttctca acactcttga tgacttcaac aactacggtt   420
tgacccatgt ccttcacagc aaaacgacc                       449

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<210> 42843

<211> 433

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910062a12d1

<400> 42843

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gggggcaaaa tgggattgtg aacaacctta aattcaaagg gagacttttt gcgggggaag   60
gtgggaaaaa aaaaaaacia actttgtgtt tatagacttt ctgagggtag cattttcttt   120
aaaaaaaaag agggaatccc cattcaciaa gggaagggat gggggtgaca tttttgtgcc   180

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ccatttttgg gcccaactgt ttatgaaact ccattttcca taaacttgct tggcccgttt 240
 gaaaaaaggc ttgaaacaag ctcttggcat taaaggggtg atctgggggc cccaaaatta 300
 caactttccc tccacttgta cccacggggg gataataaac gggaacaatt gccccggaaa 360
 gttgtctgat ttggccaaat ggcccccttt tttaccataa acaggaccaa agacgtgttc 420
 aaaaactttt ttt 433

<210> 42844
 <211> 306
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062b02d1

<400> 42844
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 aaacaaaaaa tgttttttga acccaaattg gttttttttc caaaaaaccc acgggggggt 120
 ttttttttta cccctcccc ccccttgaac aaaaattttt cggaaattaa aaaaaaaaaa 180
 agctaaactt tttttcccc aaattgggaa gggcttcccc caaaatttca aaaaagggga 240
 aattaaacaa tcatgccggt ttaaaaaacc ggtttgggtt tccccccact ttccgggggt 300
 aatccc 306

<210> 42845
 <211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062b03d1

<400> 42845
 ccacacaaaa gttaaaggaga tttcaaagca aatgactttt cagtctcagg ttacaatcaa 60
 cgacaatcac acgaaacaca atagaacaac ataacacact tgtgccaac tcacgcctag 120
 tcgtggctga tgcactttat tcagctttta acatatgaaa ttgatggaat taaggggtcaa 180
 ttaagcccca taatacatca atttttatct cttagatagc attagtagag taaaacatga 240
 gcttaatttg atgatttagt tgtgcccctg agtaaggtaa gcatcaattt ttttgctaac 300
 cacaacagcc agttgcaaca aggtatgagc gtcaggaatg tggctcctctt gtttctcgta 360

ttccattgcc caaagcacta cgctgccctt tccttttggg gtaacttgca aattagactt 420
gaagctcttg tagagtccca gcacgtcacc ctctatgacc ttcattggca tt 472

<210> 42846
<211> 493
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910062b04d1

<400> 42846

aaccaacaaa gtaaactcat ttggaaatga acattgttca agaacaatta gatcaaagct 60
caatgcaaca ccaaggatgc cacaaaaccc tcttattttg aaacctatcc tatattaagc 120
ctctacagga gcaagagctc gcagctctca ttgtacctta atccactgtt ggctgaaacc 180
caaccataat aataatataa agcacaaaact tcaaaggaac gaatgatttt tgctcaagca 240
tcatcaagag caaggacacc agggagttgc tttccctcaa gaagctctaa gctggcacca 300
ccaccagtgg agatgtggct catcttgtct gcaagtccaa ccttctccac agcggcaacg 360
gagtcacctc ctccaatgat ggttgtcact cccttccac tcagctctgc cagtttcttg 420
gctatagcct ctgttctgtg ggcaaaactta tcaaactcaa aaacacccat tgggtccattc 480
caaataatgg tct 493

<210> 42847
<211> 455
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910062b05d1

<400> 42847

aaacacaaaa aggtatgggc ctatcccaat agaaatggga tcaaagcaa agatgcaatg 60
tacaccacca catatgagga atagagccaa gtctgtactg gaaattaaat tactttgata 120
caacagaatc aatagctctt tccaacaata caaattatct caagttctta caagggaatg 180
ttaagaaaca aaagcaagcc atgcatatac tcaactgtttt gtgagtattt atctctctct 240
ctcttcttac tcaatgtaca aaatgcttag tgccttgtga acctctcaag gacttcaaag 300
tagtcgggaa atgtcttctt ggtgcaacca ggatccttga tggttactgg aacatcccca 360

caagcagcaa gagagaatgc catggccatt ctgtgggtcat catatgtgtc tatagetgtg 420
acattcaatt tttaggtgga gtaatcacac agtaa 455

<210> 42848
<211> 303
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910062b06d1

<400> 42848

aaaaagccaa tacaagagaa accattatgt taagactata taattagcac tcggctgttg 60
caaattattc agcatatcaa aatttagata aagaaactca aattccactc aatttcccat 120
agcaaaggct gcaaacaacc aaatctactg ttcggctatc cgtaagatac tggacaaaga 180
agaaatgaaa tgactgggag aagcttcagg atctaaccac cttccacttg aatgtgttca 240
tgtaatgact gttggagcgg atcgaccagt gaattcttcc atcttcgaaa gtttcaacgc 300
aac 303

<210> 42849
<211> 430
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910062b08d1

<400> 42849

gggataaaga caaaagctat cgtctcccaa aatttttaaac cgctcaggta gactacaatg 60
gggagaagaa tcgtaagtcc ggaattttta accccaaaag cgccatgcaa gataaggcca 120
atagtacaga ctcaaattaa gcactacaag tatccacggt gaatatctcc cagcattttc 180
gatatcaaag tcaaacaatc atcaggagct gcgattgatc acgagcttcc atgagagatg 240
gttaatgatg caccaaaaag tcaagccgca tatgtcgaca agatattttt ctttagagtt 300
aactcgtcgg ccttggcagg actaatggac ttgtcaagta tgcgctgtag gcgctggatt 360
tcgttcttag cataatcaga acctttttcc aagtaattct tggcagcttt caagtaaate 420
tttccgtgcc 430

<210> 42850

<211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062b10d1

<400> 42850

aaatctaaca gaaattaaat ctaaagtagc attgttcaca agagaaaata aattcgacta 60
 agttcaaagt aaaataattc atgaaacaaa tttaaagctt gtcttcaaac tcggagagag 120
 gagtcactcg ttccttcaag cccttcctct tgcgaatgac agtgacaagc tgtgcagctt 180
 gtgatccagc ctccaatggg tcagaagaca tcatgtccca gtgatcaaac acacattgtg 240
 ggaaggcctg gcctgatgtt gcagccctca atgtgctcga gaaaccaaag gactcgatga 300
 cagggaggtg tgccttgatg ttgtatagtg gggtagcttg cctctgcatt tcctcgaaca 360
 cgtgtccacg cttctgggta agaacactgt agattccacc aagagcttgt tcaggagcct 420
 gtatttcaac caggtagaca ggctcaagaa gcctgggttt ggcagtaatc tgggaagcat 480
 agaagactct cctggcagta 500

<210> 42851
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062b11d1

<400> 42851

ggaaaaatag aaagaagctt tatttttatt ttttgaaata ccaaatgtca aaaacaacct 60
 aggatttcaa agggcgaaat cctagattcc aacttaaaag ccttatttcg aaacaaaacc 120
 ctaattaaca ccgatatagt tcaatggcaa acaaaacaag gtgtccacac cacacacaat 180
 tttcccaaaa gattctgagt ctacacaca tgaatctatt ttaaaacact gaggttttca 240
 ttgaaccctt taacaaacac ctaatcttaa gaaatactat gtctcaccac ccattataaa 300
 atttattttg aacaaaaaag gctttcatag aaacccttca aaaagggaaa aaccggatct 360
 ttagggggca gactttcttt gccaatggga tgggtccaaa aatcttgggt ccaattgggg 420
 agtctaggaa atatccact tgtgaaaaac cccaaccctg taattttt 468

<210> 42852

<211> 442
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062c02d1

<400> 42852

ggaaaaaatg cgatatacga atccattttt ttattggcgt caaatattac agccgcacat 60
 tgccgaataa ataaagaatt tccccgccca taacacaaaa ttcaataagg ggtttcctat 120
 tgataatcta ccctataaaa aataaataaa ttaattcctt gaataaaaaa aaaaaaaaaac 180
 taaaaccttt ttcctccggg ggtgcctatt tgggtgggtg gttaatacgt agtatggggg 240
 gctgggcccc aaaaaggagg ggtagatgt agtaattaa cgatgggggg ggagctatcc 300
 cttcattaaa cgaaatacat ccacgggagc atggggtcat attcaactaa ggggtgttctt 360
 ggggggcaag aaaatagggt cccacccta ctaccatttt gtttgggcca agaacggggc 420
 cttgtttgga aaaaataagt tt 442

<210> 42853
 <211> 493
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062c05d1

<400> 42853

gattgcgaaa ggtgtcacia atatttttta tctccaattg caaatatatg cactgtaata 60
 caacgatgtt aactatcaaa gaaatacact tgtaacata ttcacaccgt accaatttat 120
 ttttactcaa aaacataaca aaaaacaaa actgtagccg atgaagagaa attaaattaa 180
 agctaacttt attgtcatcc tcaaaaaaat aagaaaaaaa ctgaattcat gaaacacaat 240
 caaagagcga tgatgatgac tcgcaagctc ctgactagaa taatctcgtg gagtatctaa 300
 tagaaaaaag tggcggcaac tgaaagcagg gtggcaaata ctccaacaac tccaagagat 360
 gcagcaccag agttctgtgg gggaggagt acagcaccgg ctggagaagg gctataagga 420
 gtggtggggg gggccccggc ggaaggtggg gtggcggtgc tgctgccggt gacgttgatg 480
 gcaagctttt gac 493

<210> 42854

<211> 410
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062c06d1

<400> 42854

actagtaaat ggacttcatt ttccatttat tgtgcattta aaggcaaatac agttacacaa 60
 accgtgccaa acactcttag tctcttatat tgttccaaat gcttgataca catccgtggg 120
 agtgcttcaa agggaagaag cctcacaagc ttattgtgta ttcattagca gctaaaaatt 180
 cctcatctta ttacattaga tcaactctaca aggtaggagg gatccatag tagccgtgtg 240
 tttgaacata gccagctttt tcaagtaact gatctgcttc tgcaggacct ctgcttctctg 300
 gtttgtaggg gagtggttg aattccctt catcaattct gtgcagaagt ggggtgaaga 360
 tctgccagga tgccttcaac tcattctctgc gaacaaaatg ttgctgatca 410

<210> 42855
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062c08d1

<400> 42855

aacgaataaa caaagttaa tggggcttca agtacagtac attttttgac caaatgaaac 60
 ataactaagg gaagaagata agcctgagag cttttttttt tttaacaaac aaaaaaatct 120
 tgcttcatac tatcctatat ttacattatt caaacccatt tttgtttact tgcaaagtaa 180
 tctattagtg gattaattag tactaccatt ttgatttacg caaattacca ccctaaatca 240
 gagaggacaa tccccagcct catctttcct taatttgggt acctcaaacc atcattgaaa 300
 tagcgaaagg ccacaatctc aaacaaccat tagtggagat agtggtgaca aaggaggccc 360
 actaaagata gttcccataa cataagtgtc caaaagcct ttccaacatg atgggggtcaa 420
 agggcaaacc gctttgggag aacacttttc ttttttcaca agcttattac tattatta 478

<210> 42856
 <211> 552
 <212> DNA
 <213> Glycine max

002220.032200

<223> Clone ID: jC-gmro02910062c10d1

<400> 42856

aaaatatact taacataaaa tagaagtcac atattatggg tgttctgcta gactataaca 60
tatctatcta aaactagaat tctcatcatc gtttggttga ctcaaataca aatgacctgg 120
catttgactt aagcacgtac agaaatgcac tgagatctag tagggataat tcttaaaata 180
cattatTTTT ggaatctcaa aagtagatgc tatttattta ggatgtaaaa gcacacacat 240
agtacatcac aactTTTTtag taagaacttg ataagctggg agtgagtggc gccaaagtttg 300
agtcgcccac tactaatggg tacagagagg aatggaaatg gggttcagtga tgtgagactc 360
atacttccaa agcttgaatt ctccatcac aaaatgatag taaccccccc aacagggcta 420
tgtgcttggt ccttattccc ttttcaacat atggatatgg cctcaggttc actagtgagt 480
tattcactga ctccctttac agaaatcgca tggatctttg aatcctagtc ttcgtattct 540
ttaaggacct tg 552

<210> 42857

<211> 474

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910062c12d1

<400> 42857

gggagcacia aaaattctgg gttttattac aagagcatga tctaccagca aagttggaaa 60
tatgaataac aatagagccc acttattcca acacacattc aacaaccata ccataaagga 120
tcacacgtat gtagacagag accacatggc atagcataac taatcaaaaa acatggcata 180
gcataaataa tcaaacccca aaaaataaat gatacaagat tcatccatga acaagacaag 240
atTTTTtagct atttataaat gcacaaggct tcctgatctc tccttctgtc cctgggttca 300
cattaattct tcccattttc tcgatggagg gtgcaaactc agcaaagaaa tttttaactg 360
acccttcaag caattggatg atttgtgcct ttgtaactga gttagtcaat aatgcagcat 420
ctgactcaaa tagaccctt ctcttaataa cgtgactata gtagctaaga acaa 474

<210> 42858

<211> 448

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910062d01d1

<400> 42858

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ccacattata agcaaagtaa atggccggaa tatcgggcaa atccaaataa tgctgcattg   60
tcacatagtc tacataacct gggaaactaa cagcaatcaa aatttggtcg ccatttgga   120
ttggaatttg aatacaaata cagggcatac ataataatac cctatgtaca cagccaatat   180
ctgactgaaa tttgatacag aatagtatca atttgtatca taataaaatg gcacagagaa   240
atztatgtga aggtaaaggg gaagtgtatc agctggtggt ttaattcttc gcctttcatt   300
tacttaatca ttggctcctt cctgcacgtt cacatttcct ttatctgctt aagcactgct   360
gaccttggtc ttacgcccac aggtccaatg gggtttagcc ggagtacgcc tcaatgcctt   420
cactccgaat gggttgttct tgcttttg                                     448
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<210> 42859

<211> 482

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910062d02d1

<400> 42859

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gatgtctgaa ataaataatt ccactgaat taattttcaa tgccaaggca aatgttttat   60
tttacatcaa caggagagacc aatatatgtg gaattaaatc tcaccactgc taaataactca   120
taaagtatat gatccctatg aaatggtaca atacaagaac aagtttctaa cggggactca   180
aaaatcagtt ttgacgaac ttgggccaca ctgtaattac tcttggtctc atctcctcaa   240
aacggtacct gttttcattg aggaaacttc tgacagctgc aggaagagcc gccagtcctc   300
gactgtgatt accgatgcct gttatgacat gtaaagctaa cgggtctaagc cgtaatggtg   360
cttgtgtatc caatttttcc ctgtccatga aattgaaaga tccaagagta gaatgtccaa   420
gccattttc cttcactcca tttgaagtgg ctgaactctt tgagaagcct tggcattcaa   480
tt                                                                 482
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<210> 42860

<211> 423

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910062d03d1

<400> 42860

gcataaaaaa actctgatat cttttgtggt gttctgttta cattttaagt ttgaaccaca 60
 caagccgcag taaatatctg tttagggtg cgaattgcga ttacattcaa acatggtaat 120
 agcatactta aatataatac aaaagacacg agaacaaaaa aattttcgac gccgcaagct 180
 ttggctttac ctcaaacagt ctctaaagta gcatccaaaa aaccaaccag aatgaccatc 240
 tttcgcagca tgcaaactag agatgggtatt tctcaaacct catctttggc tatcttaact 300
 ttcttgtaga cagaatcctt ctgctcaata atctctggga tgggtgtcttg cattatcttt 360
 ggggaagaaa aatcaaaatt cgaagcagac acacctttga attcttgatt atcttttaga 420
 aac 423

<210> 42861

<211> 519

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910062d07d1

<400> 42861

gccaccgcac ccaccacgaa ctctggcaag ttaccacctc caaatagagc atccgatggt 60
 ccacttatca cagacaccac catctgtggt atgacaattg caagattgag cactcccaga 120
 gacaaacctt ggcctgcccc tgagggtgctg gagaatattg atgctagagc aaaggggtatg 180
 ctgtaagtaa tcgcgagtgg gattccgagg agagagaaga gagccaacgc gccggctttg 240
 acggcggcgg gaggaggcag ggggttcctg tgggcgttgg ggagtagggg gtattgtcga 300
 gaatgttggg ccatcttagt aacaaaaacc gtcattggcca aacaaaccgc gagcaagaag 360
 ttaacaatcc cccacagcct tttgacgccc tcaacccac gcgccagcac tttcactccc 420
 aacgacgtcg caccaagcac aacagagttc aacatcagcc ccaacgcacc cgcacggaca 480
 cccctatcgt acgccttctt ttcctactg tcccttctg 519

<210> 42862

<211> 308

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910062d09d1

<400> 42862

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cggggaaaaa acccccccca gaggggggttt ccttacaaaa ggggttgccc ataaaaaggt   60
ggttgggctt ttgcaaggag gccccccacc ccctgtttct attaaagggg aagtccaaag  120
cttctatttt ttttaacaaa acattttttt cgggggcctg ttttaaaaaa cttttttttt  180
ttttcaataa acacccccaat tgggtgaaaaa aaaaaaaggg ggaatttctt gtccgggggg  240
gcggaaaaaa aggatttttc ccctttatcg gcctttcttt ggggggtggt gggggagaaa  300
ttttccaa                                     308

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<210> 42863

<211> 528

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910062d12d1

<400> 42863

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ccagaaaccc tcattcagaa tgtaatccag aatgtaaaat tttacattca gcaatgacta   60
atccggaatg taaattacat tctagatccg ggtgcaagaa ccaagtctgg aggtgcagga  120
agcaattgct gaaaggagat agctttccca aatcccaatt tcccttacga ccttgggggg  180
ttttcgctgt ctctggccta agggaagcga cttggggaac tgccctcaat ttattattag  240
ttaaacatgc atgagttgtg ttattgatca caacaaaatt ttaattaaaa attcgaacta  300
aaatgtaaga cttttaaaaca taaacgcaca accattgtat agtggggaaa aaacaaaacg  360
cttgacttga agcggacaat ttttccatt tacattgtat cactatcgtc taaataaatg  420
actccatgaa gcacatttgc agcagcacia aatgcacagc cgctgccttt tattaattca  480
tagatgccaa tatacacagc actgcattac taaccatgac gttcaaac                    528

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<210> 42864

<211> 453

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910062e02d1

<400> 42864

aacaaataaa tatttaata tttgcattaa acaattaata cgtaacttaa gttcatacac 60
 caataggaat atacaccata aataacactt tcaaggcact caacaagaaa ttcacaaaga 120
 cgcatgtccc aacttatata attcatgtca atctttatctt atttcgcttt cttgtctgag 180
 tgttcctttt ccattttttc aaagaggctt ccatcataaa cagctcgaat agtctctttg 240
 tgcagtaaac catccttggtc tttgccaaga acatatagga tcttccactc cgtgtagcta 300
 gcaagccatc cagcgtaatc cttaggaact ctatttgcca caagcatccc catcaattca 360
 tcagatgtta aagaatttgg gtgtgttcga gcatgcttgc tgaaaatttc ttcaaatttt 420
 gaaagaacaa accttccttc actatcgtag aca 453

<210> 42865

<211> 451

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910062e04d1

<400> 42865

atgatgcagc agaatattga tatattatat atgctgtgca tagtaatttg aaggaataac 60
 cattcccaat gatattctaaa atctagatta cagtattatg gatacggaag aactaaaaat 120
 tacgctgaac catctttaag ttatttaact tttcaactcc aaacacagct catgcaccta 180
 cagggttcagt ggctttcttc agccatgcat tttcaacttc atccaaatat ggcgccagaa 240
 tattcctaca tgtggcgtga taggagttca gccaatctat ctctcggga cttagaaggt 300
 tcaggtaaat caacttcgtc tgatatggtg cccaggtaat gtgttcaaaa gataagtaac 360
 ctctatcacc aaaattgaaa gttgtatcag cctccttgac aataagcaca ttctccaatc 420
 ttatcccaaa ctctccatcc tcatagtaac c 451

<210> 42866

<211> 495

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910062e05d1

<400> 42866

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 ttgaatcgat aacacttgcc accccagaaa caatttacca acagaacttc gcaaataaca 120
 atacccttcc tcattctagg cgaagttgac tgctgattgt acatgctcaa catcagtggc 180
 cattagcaac gccattagca atcacaccgt tctcagcgtg agtcaaactg ctttctttag 240
 ttttctttga atagaatctc cgatacatgg agtcaacttc agtgagatag aatgtgcccc 300
 gagataaaag gctactgtcc ttgcttgta caaattcctt cgcaccatat ctatgctcca 360
 ttaacttcaa gttttcaaca aactcctccg ggggaaactc atgtcttgac ttcaattttc 420
 catcgacatt catcactcta gccatgtttg acaagctaaa cggatgttga ctgtctcgta 480
 attgcaaaga aaaca 495

<210> 42867
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910062e07d1
 <400> 42867

caaacaaagt agagtttatt ataaaagcaa tgtgcagcag catccaaaat cgcggtttgt 60
 atgtacagaa aattaatata atatcatcac ttccacttct tgaacatacc cttgccaaac 120
 ttcccatgct taaatttccc atgcttgccg aactttccat gcttgaactt gccatgatgt 180
 ttgaatttcc catggggcat gtgtccatat cctccatatg caccatatcc atgggtggcca 240
 tgggaaacat ggtgagcccc atacgcagct gctgccgcag cagcaccacc agcaagcaat 300
 gccccatac cgccgtgccc aggcgcagta gatccatgtg gggcagatga tccaggataa 360
 ccatgtggag ggtaaccagc aggggggt 388

<210> 42868
 <211> 547
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910062e12d1
 <400> 42868

gcagtccaaa attcattgtg gaaattgcat taagtcaaat gttaattggc acagtctata 60

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 cagaaaaacta caatacaaac aattattgtt ggcccttgta taacaatgat atatattttt 180
 ttggagcata attgaatgaa ccgtgtgtgg caatcacatc aaatctgttg attttcattt 240
 agatgccttg tggccctgtc ctttgatctg actagcggct ggagacatca cacgcaagcg 300
 gagagcaatt tcggtgaatg atggcctgac tgctggattg ggtgccaac actgctccat 360
 tagtgttttc cagtcaagat cacaataact ggggattgtt ggccttaatg tgttatatac 420
 aatgcctcct atgaatgcac cataatgcat attagcatat ggctcatcac cagtaagaat 480
 cttccataag acaatgccaa aagagaacac attcaccttt tctgagacct tattgctact 540
 accattt 547

<210> 42869
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062f01d1

<400> 42869

gggagccaag agattcaaga ttgtagaatc accgtgtgtg ctgaggcgac cttataactca 60
 gagcaccaat ccaacgcttc cggggcaatg agcaatagaa caccacttca aagatccctc 120
 agtagacca atgactggaa aggctgcacc cgacctattt tgcccaaaaa gtcgttccac 180
 atcacaaaca agaacggcaa tcttgactgc ttggactcta gagagttacc aaatagcttt 240

<210> 42870
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062f03d1

<400> 42870

aatcacatat ttatggtgtc aatctaaagt aaagagataa gtagttgaca ttggcaaattg 60
 tagagaaaga atgtaattgt tacgaaatca gagaacaaaa gttttcagct tcgtactact 120
 gtcacttaca ctatttgtat tctcccttcc catgtcaact ttttctaaca atggatttag 180
 catatcagta tatcactata gcctgtatgt ttctagatca tgaaaactat caaccaattg 240

aacaatatag ctctacagat ccatcataat tctcgccaat tacttatcat ggatggcaaa 300
 gtgggaagtg atcacttggg taaccaagaa tagcagtaca aatcatgttt gaacaaatag 360
 aaggcaaata acctgaaatt cgttttccag agcatatgaa gacgcatatc agatgccacc 420
 agtaaataata tcggtgagaa gtgtccgctg ctagtaacag agtatagtac aacattgatt 480
 acgatctggc ccaagaaata 500

<210> 42871
 <211> 436
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062f04d1

<400> 42871

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 gttttttaaa taataaatag caggtgggaa tacaaaacat gtggaacacc ctcaagacaa 120
 aaattgttta caatcggttg ccaataaaat acattaataa ttgaatttaa ataaaatttg 180
 tcatcccat cgaactacaa tttcaacaga atttttgaaa ctttgcctt tgggggctga 240
 cgatgcctat tttatcagca tgactttttt ccattaaggg gggtttacia ataaaacagg 300
 gaaatttcaa gggtttgatt tggggggaaa aacttggcat gctggcttgt atgccttctt 360
 ggttgaagcc tgtaataact ttttttcagc agtatcattt tcatttaaac tagtctgaac 420
 gaaaaacctt tttccc 436

<210> 42872
 <211> 445
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062f06d1

<400> 42872

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 gtaaatccct agaatttgcc ttcgatttct acttggttaga aaaatcccta ccaacaccaa 180
 taacaaaaca ccaagcaag aaaaaaatat acaatcttcc gcaaatgttt ctatctttct 240

ttctttcttt ttatgaaacg aaaccaaacg agagagaaag cactaaatta ttctctctcc 300
 agtatccact tgctcgctcc aacaaacacc gattcaagca atcacaaaac cattcatgaa 360
 acaagaacca ttccacataa aaacacatac aacaaattta ttttcttctc ccatttttat 420
 aatagtttca gtgagtaaaa gcata 445

<210> 42873
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910062f07d1
 <400> 42873

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 ataaaactag aattgccagg actcgtagta gcaatgatag taaaagcatt tagttgtcaa 120
 aatgggagtt agatatggca atggcacttg agaaacaacc acccgaagac aaaacttcaa 180
 ttttcacacg gccccatcca aatgcttctc agctgacggg gctccttctt tatttttacc 240
 ctactcttca tcggcctcgt taccattgac gagcactgca ccatcagtag aatcggcatt 300
 cactacaact gcctcctctt ggcttctctc tccattttgt tcctctgtat agtgctcttc 360
 tccattttgt tcagtcaact catggttaga gtccccgttc tcaagagggt gatccccctc 420
 ttctatctgc atgtttctga aagcttcaac aagggtgata tgtgatttat cagcctgttt 480
 cacatactca gatg 494

<210> 42874
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910062f08d1
 <400> 42874

agaagggaaa aatagtttga atcccatcca aaaaaaatca tgcgattaaa atccaattaa 60
 aaaagcataa agtaaaataa gtttttaaaa cagggttttg gaggaaagca actacattta 120
 gtccacttcc tcaatcttgg ggccagcacc acttccacca gaagggggag cagcatactc 180
 atcctctggt ggaccagcac caccacggtt tggaccagca ccaccttggt acatcttggc 240

aatgattgga ttgcagatgc tttccaattc cttcattttg tcctcaaact catctgcttt 300
 tgcaagctgg ttgctgtcta accactggat tgcttgctca attgcatcct caatcttctt 360
 cttgtcagcc gggccaagtt tctcaccaat cttgtcatcc ttcacgggtg tcctcatggt 420
 gtatgca 427

<210> 42875
 <211> 513
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062f09d1

<400> 42875

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 tcaaattgtc cgctgtggat tgaattgaaa atccccgttc aaccacaag cattgagtac 180
 agggttctta gttctcacga tgggtgaaag tcagcagcac atactggcaa ttgtatttcc 240
 ttactcatga atcttgcttt catcaaccat tagaaataga actcccgtta cagctaacaa 300
 aaagctaagc ctatcaattt ttaagggtcca tagtttggtta agaagctagt aaagctccat 360
 gtactttggg tctacaggta tcacaactta agattaagat tgtcctgcga ttccttgatc 420
 tccaagtctc caactggctc accattcggt gtcaaaccct gaatcttaac atcatagtaa 480
 acttcttcga cttttcttaa gtcatactta atg 513

<210> 42876
 <211> 504
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062f10d1

<400> 42876

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 agctttgttg atatattaac aaatacaaac aaaactatgg actttcaata tctgaagaac 120
 cggttgcat gatctttgat ggcaattcat ttatggcagt taaccatagc accgaattgg 180
 atcattgcag cctttagaag cagattgctt gaaaccagat cggccacctt tctcaaggta 240

ctgctgatgg tactcctctg ccctgtagaa cttcttggca ggaaggatct cagtaacaat 300
 cttactgttc aactgcttct gctgttgctc caatgactcc ttggccgect tctcttgatc 360
 cggtgtgtag tagtatattc cagatctgta ctgtgttccc acatcattcc cctgtctatt 420
 cagagtgggtg ggatcatgtc tagcccagaa cacgtcaagc agagtcttat agctacaaat 480
 ttttggatca tattgaaccc ttac 504

<210> 42877
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062f11d1

<400> 42877

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 taatgtcatc tctgaaaatt tgagcgcaac taattttcct tctaaagatg gatgtggtga 120
 tcaagtaggt attcagaaag gctttcccta tccaccaggg atttacttga cataaaatca 180
 acaaatcgat tttatattgg tggatacctg acctctaata tacccaacaa aatcagatga 240
 ctttttaatt tctcaatgga aaaatatcat atccctctta aacatacata ctgttgcatg 300
 gtcataataa gccagcttca aagagattcc tccgtctcaa agtctcatca acaagcttga 360
 aagtcttctt cacaagcttt tgatcaaggg cagccgcctg atagatcttg aacacgcgat 420
 ctacacagtc aggagcagtg ctctggaaat acaattcctc aaactt 466

<210> 42878
 <211> 570
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910062g02d1

<400> 42878

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 gcccataaaa tgaagacctt caactggagc ttgaatcatc agtttttgct gctgcagatg 180
 cataactaac actactatcc ctgttacttt tgcaactgact ggattgctca tagcgaagaa 240

atttgatttt tatctttgtt gagcagttcc ttagcatatg aagaaaaaca ctaattggat 300
 ggcgtccaca gattgtattg tcatactcca acagatattg cttgaatgaa tctggatctc 360
 ctgtttctat gatatccatg cccatcttgt ctaaggcctc aatagattcg tatataggcc 420
 catgtttctt gtcatagtgc atgtaattga atcgagatcc ccagtgacaa aagtctgatg 480
 aaatagagaa aaaagtattg gaatcatcaa catatttggc aagaatctgc ccatacatag 540
 ctttatttta gcactaacag accaactaaa 570

<210> 42879
 <211> 530
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910062g03d1
 <400> 42879

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 tattgatatt tgcacgcaa gctacggcaa acaaatggaa ttctattaca ttatgaatta 120
 caagttcctt gcatggcata catcaaggaa aactgggaag ttgttgtatg tggattgatt 180
 tgccacagcc ttatatagac aaaccaaagt cttaatatca acacaaacac gtgtacagaa 240
 aagaaaccac tcttcaagaa aacagaaaat aagaaaaact aacatattgg aagaggtgcc 300
 ccattccact cccaaggca ttccaaaagt ggatcaatga tcttccttg gcacaaagca 360
 gtgaacactt tgcacactc ttcacccggt gagataaccc tttcaccagt tagcaatgct 420
 gtccccaact cctctctcac aaacttgtac aaggggtaag acctgcattc cttgatcttg 480
 tttggaattg cacattgggc attctcatat gcaactcttg cacctttcac 530

<210> 42880
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910062g04d1
 <400> 42880

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 cacaggatga tgctctcttt aagtagggaa gcagatctta tcagtacaca taggtaggtt 120

gaaattctag ctctagcaat ctagctagag aaggtagtag ttgcacaaca cacagcacat 180
gataatttat tttatacaca atctcattct catggtgctc aagatgcatg gactaattaa 240
gcaacaatgt tgggtctgata ggcagtgtcc acagataaat tgggtaccca taaaatggcc 300
ttgcttccaa ggaaatggca aacaggggta gttccaggat caactcccat aagttgatga 360
agcatttgat gattcattcc agaagtattt gagtggcaaa tagcaagtgc ctgagttttg 420
gttccatcac cagccaccaa tggaaccatg aaagctgttg tttcacggac ttcattggcag 480
taaaataact 489

<210> 42881
<211> 551
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910062g05d1

<400> 42881

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ataagaaacc cagtaaccaa actgggatgg aaatcccagag taagaacgag gcaacccaac 120
aaactaactt aaacgagatt agatggcaac tgaatgttgt ccaatacagt ttctaaagtg 180
gctgcaacat cccgcaggta aaaactaaaa cagaagcatt ctaacacata catatgtcca 240
aaaatcaatt acaagccaat tttcttaaag gaagaaaaca cagtcacgga cactcggcag 300
tatttgccta tatcccaatt aatgctacta ccagcagaaa acctaccctc cctaacaacc 360
ccatctattg aataaaaaaa ggaatctgaa aaacaaaaac accaaccgca gccaccaatc 420
atcttcatct ttccaaccac caacttaagc acgctcacca cgaatccttc ttgccagctg 480
aatatccttg ggcataatgg ttacacgctt ggcgtgaatg gcacacagtg tagtgtcctc 540
aaagagccaa c 551

<210> 42882
<211> 312
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910062g06d1

<400> 42882

caaccccaaa aaaaaaaaaat aatcttcatt aggtgccctt gaaaaaactt aaacacgggg 60
 actttatttt tggctacctc accttccaaa atatataaca aataaaaaac actaaaatcg 120
 ctccaacaaa tctctccctc aaaaaattac cgatgcgcat tttttaacca ccacacatat 180
 cttggggccc cccccacccc gggggcacca taacattaaa taaactgtaa caaaaaaaaaa 240
 taaccatata aagttgaaac acatcttatc cccccatat taaaatgaaa actttataaa 300
 aaatatgaaa aa 312

<210> 42883
 <211> 554
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910062g08d1
 <400> 42883

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 gcaaaaccac aaacaaaact aacagaaatt aaatctaaag tagcattggt cacaagagaa 120
 aataaattcg actaagttca aagtaaaata attcatgaaa caaattttaa gcttgtcttc 180
 aaactcggag agaggagtca tctgttcctt caagcccttc ctcttgcgaa tgtcagtgga 240
 aagctgtgca gcttgtgatc cagcctccaa tgggtcagaa gacatcatgt ccagtgatc 300
 aaacacacat tgtgggaagg cctggcctga tgttcagcc ctcaatgtgc tcgagaaacc 360
 aaaggactcg atgacaggga ggtatgcctt gatgttgtat agtggggtag ctggcctctg 420
 catttctcgc aacacgtgtc cacgcttctg gttaagaaca ctgtagattc caccaagagc 480
 ttgttcagga gcctgtatct taaccaggta gacaggctca agaagcctgg gtttggcagt 540
 aatctgagaa gcat 554

<210> 42884
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910062g11d1
 <400> 42884

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gtcatccac taaagtgaag tgtgatcaac ccttggtttt taccagcacg actcaaattg 120
 atgtgaaatt tctttctaata ctggatagat atattggcat tgcattagtt attggtaatt 180
 tacaaggggg taccctaaaa taaactcccc atctactgaa tgcctcataa tttacgacga 240
 tgggctacca atggatggga tccactcatt tccttgattg aagttctgca ctgaatacgt 300
 tcacacgtgt tcagcaggga tcttgctact acagggcact ctttgatata gatcagagct 360
 agtaccttcg atctaaaact cacaataatg aagagttttg tgagcaaagc caccgcttct 420
 tggcatacaa ccttgggggg tcacaaggac ctctcgaac taaatgat 468

<210> 42885
 <211> 554
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062g12d1

<400> 42885

ggataaaatg aatattatta tgtttatttg acttgctcaa ccaagcgca atacaagctt 60
 ctccatctta taattaactg gcattaaaat acatgggtgca agtgtcatga aatatccaaa 120
 gccataaaac attgtataaa tatgcatggc caactacttt ttattattta taaatcttaa 180
 acacttttat ttttctcttc caatgttttt ctatagacaa cacaaaatag cactgatcaa 240
 atacaacttg tgggtgttac agatcaatga taattcatgt gcaggtagac tgggtgttgaa 300
 gattgcgtag ttggtcctcc aatgaagata ctactgttt tcccagtggc cttgttcttg 360
 aaaccatgtg ctgagatttc tgatctgaat gtggcaaata tttcccatca aatgtcaata 420
 ccacacgaac cttcccatct acttctttta ttttatcaac cgagcagtaa aaatctattg 480
 ctgacatgaa cccatcaaca aactcctcat tgaatatttc tttgagctct tcccaaaatg 540
 cataacagct tcatt 554

<210> 42886
 <211> 424
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062h01d1

<400> 42886

aaaataagaa gtggtatcaa ttatttaaac ctcaaatcaa acaagtggac gaaggcaaag 60
 aaaagaaaga aattaacata catggattat aaaatagagc acgaggcaca ttagtttata 120
 tttcatcatc ccagagatca gtgacttggg gcttgggtggg tccgctgatc aaacggctct 180
 gatataattc atctattttg tgatgatctt cttctgtcaa tgcccagtca aagatctgca 240
 gattctgggt catcctctcc ttatcgtagc tctttggcac aaatgtcaca ccttgttcgt 300
 acaaccatct cagactcacc tgggctatgg atttcccatg agcctctgca atctttttca 360
 gcacatcatt ctccatcact tcatttgggc ccttgctcgc acctttcctc agtggagaga 420
 acgc 424

<210> 42887
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910062h04d1
 <400> 42887

aataaaaaata aatattttatt ttattttttac gagaaaaaaa acttgatata tacaagcaag 60
 aataagggga gggagagttg gatcagtagg gaacctaaat taaacttttt tttatctcaa 120
 gtgaaattgt caacaaattc tactaatatg tgaaaaaatt tggagaggat ggtgaggggt 180
 ggaaaaaggg gaaagaaaac ctatgatgat ataatacaat agagagaggc agaaccaatg 240
 atgggatttc cacatcaata gttgggtgata taagaatagc ctaagcaaga aatgctatac 300
 agagagagag ctttacatga aatagctcag agatctcatt tttcttgatc ctccttctcc 360
 atagagggtca ttccattgga gtagctcatt catatttggt gactctgatg acacgcttgc 420
 acacacctgc tcatgtgcat atctaaaatc a 451

<210> 42888
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910062h05d1
 <400> 42888

gacaaataga aaatgggatt acaacattgt caaatagaag ccagaataaa gagatttaac 60

ttgttatcaa gagtcataa atgtctctaa aatggaaatt ttggtacatt caaaatccgc 120
 ctaagacgtg gtcacgccta tctagctagt gtagcaggaa atgccaaactg aaaacgtaca 180
 ttgccgtaaa ttctacaaaa ggccaactac aatacaacgt acgctggggg cggggaaggc 240
 cttcaattct actggcaaac gaatcatcaa ttcaagaatt aggcaccacg agccattttc 300
 atccttggca ttgccttctt catttgacga gcacgctctt ttgcttcttt ctttcgaata 360
 gcctctgcac tgagctttgc ctcagcctcc tccaccatct ttttctct 409

<210> 42889
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062h07d1

<400> 42889

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 tgagttgggc actttaaaga attagattat atagcctcag aaaaaaagg ctgcggttac 120
 atagtaatac agacaacaat ttaacttaca atttttcccc tcaaaaatgg atatacaatt 180
 taacctacga catagtttta gaggggtata gcagaaacaa ttggtctaaa cttgcttttt 240
 gaaattctag aacagaacat gaacagtaat aacactgaag ataataaaaa gagcctaaaa 300
 tatgttctta tttcttgcac tccaagctca agcacctcca acttctttcc atatctattt 360
 cttctttcca tcaaatatccc atctagatac tcatctatcg ataccaactt atccggcttc 420
 aaaatagacg cgtttgaatc accaagttta ttgtaggtag caaggtcggt gggattgaac 480
 attttgaaac aatc 494

<210> 42890
 <211> 448
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910062h09d1

<400> 42890

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 aaacgaaaat aaaaacctta aagcacataa catcaacaaa cattccatta aaatttcaga 120

ataaatgtgc cttataaccg gctagcggtc ttttttagtca agcttcccat ggcctttgct 180
 ttctccctaa gaacaaattt ctgagtccta ccagatgatg tctttggcag atcattaaac 240
 accacagttc gaggggcat aaaacgaagc aaacgattct gacaaaattg gattatctta 300
 tctgaagtgg cactgcatcc ctcttgagc ttaacaaatg cacaaagggtg tttttcccca 360
 ataattatta gggtttccaa caacagttgc ctcaaaaact gttggatgac taaaaatgac 420
 tcctttcaac tcaattgagc taatattt 448

<210> 42891
 <211> 536
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910062h10d1
 <400> 42891

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 tgttgaaata aatatatgta ttgaaactgt ctaaataag aatatattaa aaatctaaag 120
 aattactgca tggcaagctt gcggttagta gctggacctt caaaatctgg tcaatgccaa 180
 agcttcatgc agaaccctgc tggcacaact gatgttctct tgctggacaa acattccgag 240
 aagggtgtcca caagttgctc tgcaagagat gcaggatctt caagaaatgt atcaatgtat 300
 attttcacaa tcttaacttc ttgaggggtg gctcttaagc tgtaccaagt cagaaatttc 360
 tgctgaagt tcttttctat gtgaccttca cactctaacc acctaatcac cttcacataa 420
 tactcaaaat cacgatccga aaagccattt gcaacacggg cctcctcttg cttttctcca 480
 cttttcttct tggatgtgct tacatcttgg ggaccctccc ttttcccgga tacatt 536

<210> 42892
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910062h11d1
 <400> 42892

aaaaagtaaa aaatttattt gagaagttgg ggatgcatac aatattaata tatectaag 60
 cacaccaatt ctacaactgg ccttgtaaac atacaaacaa atactattat gtttaacatg 120

tataaccacc acatgcacac tgaaattata agtattagat gttgacccaa ctttaccaaa 180
 taaaaatact attaataatt aaactccaat tttagtggcg agtggacgag ccttgacacat 240
 ggcttccaat ggaattaacc ttgacaaggt aatccaatta ttctcggtca tatcaagctt 300
 ttcctcactt actcgtttcc agtcaaaaca ttgaatcaat aatcccaaag taaagctgac 360
 actttgcata gccatggggt ctcctgggca agcccttctt cccattccaa atgctaccaa 420
 ctttttctcc tctccttcca catcaaacct ctcaggttta aagcatgtgg catcattcca 480
 caaatgaaga tctttttgca tgccccaacc attaatgatc a 521

<210> 42893
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910063a06d1
 <400> 42893

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 aaacggttta cactttccaa tatagtgttc gtacaaagta attcatatat gatatagacc 120
 acatcacaga agctatgcac agaccaggat ttagggtaga ggggaaagac caaagagtta 180
 caagaatgac caagacttac cacctctcac ttattatcta gaattgtagc cacatttctc 240
 tatagagcca taaccaagtg cagcaaactg aagaaacaac ttttacgatg tgattatcag 300
 aagcaacact cctctagcac acaacaacag caaagcgctg cgatgcagcc tcggaggaac 360
 gaaaagcacc caggctcctc atgggtggta tggatgacca cgtgctggta gtggtagtgc 420
 ggcggcggag gcggcggtgg atgcccttta tcgaagtaac cctgatagga gtcgtac 477

<210> 42894
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910063c12d1
 <400> 42894

aaacacgaat aatttccttg tgtttatatt gacaagcctt acaagacaaa caagtctcct 60
 caagaaaaca aaatacacia cacattttat ttcttacatc attttacgat atcatccagc 120

tactacaaac aaactcttac tactaacaca tcttaatgac tgtacataat aataataatg 180
 ataatgtaga gcagaaggat gcacatgcac tgcacagaat caattattaa taaattcaaa 240
 gcgcatgaga agctttacag tgttgatatt atcccccttt tggctatgca gtggaattgc 300
 tcgaatgcca cttctaagct cccagatagg taggcatgct tgtccaccaa agtcatcttt 360
 ctcagacatg tcatactcat gaacttctat gcgaagcaac gccaaactccg gaacagtgaag 420
 agggaaactcg aatacctcat tccat 445

<210> 42895
 <211> 460
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910063d11d1

<400> 42895

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 agaagcacat aatactgaac actttatcct tattacatga gtcataatgtc aaacaggaaa 120
 caacaatccc caaaatagaa cacaccata tccttagcaa ttaaacaaca ccacacaaga 180
 agaactacac ataacttaca aacttttgct ccattcaaaa ctgatcaacc aattgcacca 240
 cctcttcacac cacagacgtc aacaaagact tccttagcatt caccacattg cacttgccac 300
 gaatttcacc ttgatttcca gtgagcacat ccaattgact caactttata gtagcatcca 360
 caaacttctc aaagaacaac gtttggttca acgcaaagtc attgaccaac cccttagtcc 420
 tttatcattg agcaagtcct ggtagaggt gaacaccctt 460

<210> 42896
 <211> 528
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910063d12d1

<400> 42896

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 acaaaccatt caccattatg gctatgataa tctttcctta gcaaacctat tataaaacaa 120

ggggtgaacat atgtgaattg tggaaggctt gtacaatata gtccttgaga agcaagggtca 180
 acctgtattc ttcattccctg cagcaatccc atttatgggtg ataagcaaag catctctgat 240
 cttacgggtg tcatcatcac gtcttaacct cttgagtatc tccacctgca acatgttcaa 300
 gggattaagg aagggaagtc tattctcaat tagcctcctc aagctcctat tattctgctg 360
 aagtttctcg tgcccactaa taacctgac aaactnttca gctgtcatga gctcacttct 420
 tagttcatgg ccaagctctt gcctctcctt tgacacaagg acttcatcat agtgcttggc 480
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<210> 42897
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910063e10d1
 <400> 42897

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 cctaaaaatt gttggaatat aaaatgcaaa gatgtaaata taataaagct actttcagaa 180
 aaataattag aacagttttc cttcaagaac aagggcattg aagattaaat gcagataccc 240
 tcttcaaattg cacactaaca caaccctccc ttttgtaagc actggggagt agatgcctcc 300
 tagattcagt tatacttttaa tcctcatttt gactttcatc cttgataagc ttgatcatgt 360
 catcaattcg aaggatagta atggcagctt cagttgcaaa ctgaataatt tttactttgc 420
 tcattgcagg ctcaataact ccagcctcca agttggttct gattttccct tcagaaggtc 480
 caaacccata c 491

<210> 42898
 <211> 533
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910063e12d1
 <400> 42898

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 ttttaccaat taaacaaact tatcagctag gctttgcatc ttagacaaac tgattaaggt 180
 actcatccac agtgatgtat ttcacatcag gatatagagc tgaagcttcc actccaaaag 240
 aagactcaat ttcaaagtta gtatgatccc cctttacata agaagagtgg ttaattgaca 300
 ggatcacatt cacgggtggg gcggaactct caatttgctt caggagtgtt tcttctggaa 360
 catagattct ttcaagagtt ttaccaatct ttccctccca gagagtaaca agtcattaa 420
 acgacaaggt attagctggg ggtctaattg agagaatttt gtcaagggtc ttggatcatc 480
 cacagaattg attgttaagt tccaatatcc ttttcttgta aaaacagctt tgg 533

<210> 42899
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910063f09d1
 <400> 42899

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 cgccaaaaca caatattggg ccctaattga caactgctct tttagcgata cttgatgaaa 180
 ccaatttcct tggcattgct acggaagcac tgcctgcagc acataaggcc atactttctg 240
 atcagctcat gtggatttcc acacacacgg caagtgcgag aaccaggacc ggagtttttt 300
 gggtgagagt tccaaacgtg ggactgttcc attgctacgc cccagaagag agttcgatcc 360
 aaaaacccat tctctgaatc ttctatccga attcctagct ta 402

<210> 42900
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910063f10d1
 <400> 42900

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atctacacaa cgcaggaggg ttgatagact tgttgcagca caaagtagga gatgatattt 180
 gtgcaagtga acagaaatta atagacttcg acattccatt gctctgattt cttcaattgc 240
 ctcttgact cagtccaatc aatgccatct ttggcagcca atgacaccat aatgtcatca 300
 ataccctttt ccattccttt tagtccacac atgtacacaa aagtgttatc cttcttcagt 360
 aattcccaca gctcttctgc atattgagcc attc 394

<210> 42901
 <211> 453
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910063f11d1

<400> 42901
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 tatgagagtt agcaattaag atcttcttca tttactagaa gccaccaata ggaaaaagaa 180
 agacacaaca ctcttggtggg gttcaccagg tgcttctagt tactggagag gcaccgaatt 240
 cgagatttag gaatgggtac aagcttgacc attgccctga caaaatacta atgggggtata 300
 tttagtgtgt gtgtcttagt ttaaccgggt caacaactgt tacacacgtt tcgagaaaatt 360
 aaccgtgacc gtagaaaatt gatggattca cgtttggcgg aaattgaaca gtttaacaaa 420
 cacactattt gtccaaggga atctacaaa atg 453

<210> 42902
 <211> 446
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910063g10d1

<400> 42902
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 aaagaaaatg tcgcataacg catgccccca tcctaccaa gatgggaacc acggaacgac 180
 cgaaatatgg cagaatatac aagaccatta tatggtgact gaatcaaggg gcagacactt 240

aattacgtcc acagactagc ttacgcttgc gaaactgata ttacaggagt aacctcacca 300
 ttactcaaaa atatctatgc aacacctagt ccaaagagct gatttcggaa ctcggcaggc 360
 ctcttacgga gcactccagt caagtcgtgc atcacggagt aggttgacac acaatctttc 420
 cataaagaga ggccaactcc acccca 446

<210> 42903
 <211> 549
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910063g11d1

<400> 42903

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 ctttcaagta acatagtact gtttacacta aacatgcaaa tactactaca gcaacttgaa 180
 tacacattat tatccatatt ttaaacaaga ttattacaca tgaaacagtc acggccattg 240
 gtctaacatt tatagaaaga ggcatagga gcaaattgaa cgaaaccagc ttcagttaac 300
 atcaactcga ggaacctcaa acttttagatt tggaatcata gtttcaaatag cttcccatga 360
 accaggtcat gtcttaggag ctaatagaat gaagccagtt taagttaacc tcgactcgag 420
 gaacctctaa cttcagatgtt ggaagcatag ctacgaatgc ttcccatgaa gcagctgtct 480
 cttcatcaca taccaccacc ttcaaattct caagattggt tactgagtat tgcaattcac 540
 accttgcac 549

<210> 42904
 <211> 448
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910063h05d1

<400> 42904

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 aaaaaaata tacatcaaag tacaattctt tgcaacacat gtttggttct cattggggga 120
 taagttgcc tttgggggtc tcttggtcat cttctaacat ccgattatga gaaccatagg 180

gaagattcac cacattgtca ccactaacat aaactactcg aaaaatatca tacttcatct 240
caggggagaa tcgttcaaga tatggcatca tccactttct atggtctgag ttgagaatcc 300
atgagtaaca aaattgtagg gactgccaca catgaatgca taccactctt ggtaagcatt 360
ggcctttcat gcaaaggccc gcagttatgc cttctgtttt gggaaaacga gacctaaata 420
ttgctaggac tgcatagcac aggtcatt 448

<210> 42905
<211> 416
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910063h11d1

<400> 42905

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tcaaaggaag gtaaataaac acttgcgaga accacatttc taagttaaag cgacttaaaa 180
tttcaacaaa tattgttatt ccaaccttac cggtgaaggg aaattgactt actttcgttg 240
ctgtatatca ccaacattgt tctgttgccc aagcatctgt gcatgttgca tgtttgttgt 300
atttggtgta tgccccataa gttgttggtg ctgttggtgaa ggtaagcttg gctgatgagt 360
gacttgctgt ttgtgctgat gcctgataac ttgtgaatgc tgctgtggca tggact 416

<210> 42906
<211> 526
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910063h12d1

<400> 42906

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gggacaatca cttgcttttt ctcattcattg ttttcagcat catttcccaa agggactctt 180
tcattgagtga cagcacttgt agtactagac tttgttggtt gtttttcgaa taaattctcg 240
gattgaggca caatattgat attgttcttt ggtgcaacac ttgttggtgcc aatggacttg 300

tttctcacac ttgtcatgct tctcaacctt cttttcccta agtgatgctc gcaaagagag 360
 taaccaccca aggtttgttg gcaacacctc catcctctcc catttacacg actgcacctt 420
 gaaccttcca ttagtgcacc accccttacc ctcttcttac caacgttttc ttgttcgggt 480
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<210> 42907
 <211> 280
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910064a03d1
 <400> 42907

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 gtattgataa cgacatgggt tgcacattaa ggtgtcaagg ggaataaaga tgctggagac 180
 gccccagaac tgacctcaca aggggggagca gccccggcta gcaagggtgca cccggggcttt 240
 gggccttgta actactgggc ttatacacat attcctctta 280

<210> 42908
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910064a11d1
 <400> 42908

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 gctgcctttg tgtcattggt gtacaagtta tttaacatta acttcctccc agatatgctg 120
 agaaggggaa aaaatgtata gcatctgtga gtcctgaaaa ttaggacagt attatgcata 180
 caacagaatc ttttaaacca aagcctaaca taataaatga gttaaaatca gcattctttg 240
 gtgtgcaata tcttctctgt gctttgtggc ggaaaatagg gaaaattttg tttctgcaag 300
 aactaaccag gacatgaaaa tttccagaa cattcaagca gatgcagcca aaggcacaga 360
 tctgtagcat gctctctttg cagcacgaac aatatcttca a 401

<210> 42909

<211> 519
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910064b03a1

<400> 42909

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 gtggcaacaa gccggttaat ctgattgctc ctgcctttga ttctttgtcc aaatcgcgaa 180
 ggaaggcttt ggagatgttc ctcaggggtg gtggggaaaag agatgaactc atgagccagg 240
 agatggagct acagatgttt tctgttccag agaaaaaaga aggaagtgat aataagaaaag 300
 aataccctgt tgatatatcg ctgcctgaca tcaacaacgg tgtatatgga acagatgagt 360
 ttaggatgta caacttcaag gtgaagcctt gctcaagggc ttactcccat gactggactg 420
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<210> 42910
 <211> 560
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910064b06d1

<400> 42910

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 ctgtcaaaaa aagaagaagc aatgttaagt aatacaagtg catttaatct tatatttttt 180
 gtctcttatt tgggtgtgcat ttagaccaa catgaaccag accattccta ttgactgtat 240
 agacctcatt gcgctcttca tcacagaaga gagcatctcc tggaaagccg tcgctcgctt 300
 ttattttggc aagacacttg ccagttaaaa tgttgctgac attaatggaa cctgctgcat 360
 aaaagaaaca taaacctca gtaatgtacc ttgaaagata gacactcctt atcaaaagat 420
 tgatatgtga tcacagacac attttaaact actatttatt tcatatcatt tgctatcatg 480
 ttttacattt taacatatca agtaaaaatg ttaaacattt agctaaatca actcttagta 540

ggctcttatga tcaaacttca

560

<210> 42911
<211> 468
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910064b09d1

<400> 42911

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taacaatata agatgactac ttagaaaagct tctaataat gtattatgcg tataatgaag 180
gtattaaact agaaatggga aggatggagt cgaattgcaa gtcctttctac tggttctagc 240
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atattatgca tgaacacaag tgtctctagt ctagcaaact cttgccccaa acacattcgg 360
gggccaccac caaatggaac atatgataat ggtgtaggcc ctgctccttt aaaccttgaa 420
gcatcaaaag tttcgggatt cgagaagagt gctggatcct tgtgtgat 468

<210> 42912
<211> 317
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910064b10d1

<400> 42912

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caaaactctt cttattacac aaatTTTTAA ataatgacaa ggtttaccac aaagtcagcc 180
tcatgaccat tatgcacgtg attgcttctt tcttctgggc tttggacaaa aacgatgcct 240
tcattttgta acatttgatc tcaaacacaa caagccgatt tttgtgcact ctgtccagcc 300
cctcctgact ggtcttg 317

<210> 42913
<211> 311
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910064b11d1

<400> 42913

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tctcccaaga aaaaagaaac aatgacctgg ggattatcgc agcccccccc ccccgggggg 180
gagaaagacc cccgagttgg gggggaggac cacaccttcc ccccgaggaa actgcactgc 240
acgcgggggg gaaaaatgct caagagaccc ccggtggtcc ttctagctcc caacatcttt 300
aaagccccac c 311
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<210> 42914

<211> 357

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910064c03d1

<400> 42914

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ggccaccctg cgtttttcca attattcgcc ctttttgaca tcccaaaant tggctggcat 180
catacttccc accttggttt taaggccaaa agccacgaat ctaatgaagg gttgggggag 240
aaaaagactc accctaaaga aatttttatg ttagcagagg aaattttcca aaaaaagact 300
tcccggatgg aaaactggcc aacacagggc aattaaag acccttaagg ttggggg 357
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<210> 42915

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910064c04d1

<400> 42915

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accctgagca aaaggacca atacaattat atctcctgag ccaattccac tacttcttcc 120
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accacagacg ccatagaaga tcttttctta ttgcaacaaa gcacttatca cgaatctccc 180
 ctttccaata cgatccgtta tcacatgtag ctggctcacc tttacaaaag catcggaaaa 240
 ttttttaaaa a 251

<210> 42916
 <211> 474
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910064c05d1
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 gttgcattgc attctagtag ctcatatttc cgagtcatga cccgcatcta cctattacac 120
 taggcacaaa ccaacctaca aaatgctaaa aggttggttc ttgtcttgac caaagatgga 180
 gactttttga aacctcacat agtaaggctc aatatcatcc cccacagcca tgactttggt 240
 tccatcagca tcttcaaaaag tccccacagg agcacacagc gcaccaggca cactggggca 300
 gaacttgaag ctgtagatct cataagcatg atccccttca agcctctcaa tcttgaactt 360
 gctagtgata tcattagggt caccactggg gcttacaac cagaaccctg accctacctt 420
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<210> 42917
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910064c07d1
 <400> 42917

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 gcttaggcta ccagaaatcc cgagtgtact tatataatga tacaacata gacataaaca 180
 cgggtgaaac ataatgaaca ctccatcaa cattcaagg accacaacca atgtaacatg 240
 gaattcggat ttcagaatgt agatccattc catccgaagt tggaaccctt ggtgtcatag 300
 aatttcaaga agaaccgcga cttcggcact gacaatttgg tttccagaat tgaagcaatt 360

gcagcactaa gttccttggt tacactaggg ttaagaccac caatggaaac caattctcca 420
 taagctgctg gctgcttatt cccaccaaaa gctatgggta ctgacctttt aatacaatca 480
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<210> 42918
 <211> 196
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910064c09d1
 <400> 42918

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 ataaagccat ggggtgtgcat atgccgacag ctttttttct tcacatgcca tcctttggaa 180
 ggccacatca tgtgat 196

<210> 42919
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910064c10d1
 <400> 42919

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 agaggattct tctttcatgt acccccaaata atgcccgaatt gaattagaca ataagcacgt 180
 tcatagaagc tttcaacttg caggctcgaa tttgcaaata cagtcgtata tgtccccctt 240
 aaccaatttt tcagtcaatc tctggtttct caccattgca agcttttaaag catcacgctt 300
 aaaccgagca ttttaagttag tatgaagtgc tctccccatc ccttgcaaaa ttatcaaata 360
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 cacaccc 427

<210> 42920
 <211> 320

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910064c11d1

<400> 42920

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 tctaaaacgg gttatactgg attggacgtg aagctaacta agccaacca gggcagtcct 180
 gctggtttta aaaaaaaccc taccaccggt gaagaagatt tcttcattca ctgcgacatt 240
 gagaaagaaa agcagagcta cagggggccaa cccagagtgc aaaggaggga acttgtgcct 300
 ggtgaaaaag ggccaccctt 320

<210> 42921
 <211> 352
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910064c12d1

<400> 42921

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 atcaaaagtg caaaaaagag ctaatgctcc tccaacaagt aacaccactg gtttcagaaa 180
 ccgatttatt cagacctctc attttttgcg cgagcaagac actaaatcgc agctaaacat 240
 aaacatacgg taataatgcy aagacaagct actttgaagt aacaccttaa agagactcct 300
 tggcaacgaa tacaagaaga tcaatgaccc gtgagctgta taccactcgc tt 352

<210> 42922
 <211> 553
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910064d01d1

<400> 42922

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 ataactaact acatatacac acattaaaag ctgatggaaa ctaagattga aaaataaaaa 180
 tgaaagagat aattgagaag gtcactttca ttagcaaaaag gatcccatg ccacacggaa 240
 ccagagatta atattcaccg tcctaacgac aacggcaccg toccaccttt ctctttcaaa 300
 attccccacc aaaaatgatt ctctgactac ttagcctgtc acaacatagg ggataagcca 360
 taaggccctt ccctcatcaa aaaccaccca attttcttac caattactgc catccgatga 420
 atgtcaatct cacctaactt acctcactaa tattggcctc gatcttcatt taaatcaatt 480
 nggtaactaa tcatatgatg agagtcataa gaccaagttt ttttttctga ctagaacaca 540
 tgcctttttt ata 553

<210> 42923
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910064d02d1
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 atggaagact ttttatgttg gaaagattgc gctcagctca ctggattatg ttacttcaat 240
 attgcctttg aagacaggcg agtatgattt ccatttgagc tctagaccgt gaaccagatg 300
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 accactctga gacgatcttc totcatgctg aggaacagag caccctgggtg totgggtcga 420
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910064d04d1
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 gttctttaat atccaaaggg aggaatgcga cctaaaagca caacactatt gtatcttcac 180
 accacaaaac acattattgg aaattgccta aaagtgcac caaaactggg tatttttcat 240
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 ctggattctt tccatccacc atagctctct tcagggtcat cataaccctg gtcttgattt 360
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<210> 42925
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910064d06d1
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 ccaaagtaaa atttgacagg gaatcacttt attttgaact ggcttaaaaa aataccagg 180
 gaaacgaatg atcattgctg ctggagggga ctcacagggt attgaactaa ccttgaggca 240
 aattgccaat ggatcaaaac tgccctttca aaaaaacaaa ttacaggggt ttgaattgca 300
 ggcatagccc cgatttcgtt gcaatccttg atgttgggga agttgcaaac aaatgtggct 360
 gatgtggctg caattgttgt aacggaattt ccaaaacctt gttgttgtgg cccaattgc 420
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<210> 42926
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910064d07d1
 <400> 42926

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 tgatgagcat aaaaaacaaa attctaatac gaaaaaataa atcatgaagt ttactgtgaa 180
 acaccaacc acttagaaaa gttgtcgaat tctgtataat cagaatctga caccatagtg 240
 tgataccatg ctttcccagc agccttgatg gcagacgctt cctccttaga gacaggcttc 300
 ctgttcttgt cgagcttcta cttcttgacc ttaacccgct gtgcctcagc gagaagggcc 360
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<210> 42927
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 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910064d10d1

<400> 42927

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 gaaacaacag gatgaaaccg ggggggggtt cttttttggc gaaaaaattg gcacaattgt 180
 accgcctccg ttttcacata acttttttta tttcccttcc cttccctgcg tgttttcccc 240
 tacggggggc gggagctttt ctttcccttt ggaaaaaaaa acttccctga attttttgtc 300
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<210> 42928
 <211> 404
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910064e04d1

<400> 42928

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 gggagctatt ctgcagctcc tctctgatg ctctgaaca agttctccag caaaccagcc 180
 aagtttctcg aagttactct gctccccaat tctctttcct ccaaacagta ctgactctac 240
 attctctgct ttcaacatct cttctgctat tctactagc atcttcacat tgccgggact 300

tgaatctgta tccacattgg gtccacatcg cccatactt gaccatttg cctgaatgcg 360
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<210> 42929
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910064e06d1
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 tataatatca tataacaacat cccatcccct ccaggttttg ataaaccaag tccaataata 180
 ttttaatactt ataaatattt agtgcccgtg tattaaagtt gagtagaatt gattgtgata 240
 aaattaactt tgaactgttt tgtaattgag atgtgtaccc aaattgaggg cagagcttac 300
 agcaaaccaa aatttgagta caattctcta tggtaatctc tgataagctt agtaccaatg 360
 ctatttggtg taaacattca catcccttct tctatcagtc tcaaaagcta gggtagaatg 420
 tcagatatta tctcaacagt ggcaccaact aggtagaata acatcgaaat tgattaaaat 480
 caggggggatt aaacatgaaa agagataca 509

<210> 42930
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910064e07d1
 <400> 42930

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 aatttatctt atatacaatc ttatgggtgcc caagatgcag atgcatggac taattaaaca 180
 acaacgtagt tctgataggc agtgtccata gataaattgg gtaccçcataa aatggccttg 240
 cttccaagga aatggcaaac agggtagttt tcaggatcaa ctcccatgag ttcattgaagc 300
 atgtgatgat tcattccaaa agtatctgag tggaaaacag caagtgcctg agttttgggtt 360

002220"ETTES0

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413

<210> 42931
<211> 422
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910064e09d1

<400> 42931

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cataatccac ttcttatcaa ataatcggat ttccaagac attctaaata ctagtactat 120
cttcacggtt tctaattgcc accccatcta ttgatcaaac taaaaacata gacaaacagc 180
tgaattacca aaggtgtagg atacaaagct ccccttatat gattgttttc agaggagtgt 240
gaaattaaca agcatgcttg aagaccttga agagcaaatac ttctccatat tattgaaaca 300
ggacagatta atgcacaaa gagcgattgc cctcctgatt gccaaaataca gggagctcag 360
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ca 422

<210> 42932
<211> 356
<212> DNA
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<223> Clone ID: jC-gmro02910064f01d1

<400> 42932

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taaaaaaata tccacattac cccttggtgcc ctttatcaca taaacttatt aacccccacta 180
cgatcttatg actatcatcg gaccgtatcc aaaccgcaaa taatatattg gggtgtcggg 240
gcggtgatca tcgatgcgcc ctgataattg atccacaccc tgtgatacac aattgggtgg 300
agagtactct cgggccagat gggtaaactg gatggcctca cctacaaagg ggacgg 356

<210> 42933
<211> 409
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910064f02d1

<400> 42933

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 ggatgggaat actaccttca tatgcaatth tacagatctt accagctcgt accacacaat 180
 aatagacaca aattctgggtt ggaattatcc aagaggggct gcaggagaaa cctgatccaa 240
 cataatgtat aaaatggggg gacactacca caacaataac gctaactatc agatgccttg 300
 gtcctacgg cagggacttc catccacccg tcgcgttaca ggccgtatct tgaggtgagc 360
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<210> 42934

<211> 329

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910064f03d1

<400> 42934

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 agaattgatg ccagaacgga cttcaaagt attaacttat tcaatgattt atctcatctt 180
 cctgcaactt tttcacgttg ttttacctac acgggggatt aataaaacccc acaccaatta 240
 cagtgggggc tgtatatata tctcccagg gttacagata atgataattt tttatggcat 300
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<210> 42935

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910064f04d1

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atttttgggc tttaaaagaa aggacgcacc ggttgatgag gctttcctat tttgcttgcc 120
 cacctttttc ttgtatgggtg gttcacccctc caaatagtagc cattttgtcc ttttttatgc 180
 a 181

<210> 42936
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910064f05d1

<400> 42936

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 aaaaaacagg gaaaaaaacc ggggtcttagt tttttccccc atctctactt ggggtgggtcc 180
 attcttcgga gataatattt accaatcaac cctgtttatt tcaatacccc tcacccgagc 240
 gttcctaaac ccattattta c 261

<210> 42937
 <211> 483
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910064f07d1

<400> 42937

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 acagggtaac aacactgggt cgggaaaccg atttattcat acttctcaat ttttgcacga 180
 gcaagacact aaatcgcatc ttgaccagca cataatgtta gaaccacctt aattaaaaag 240
 acttcttggc aacgattaca agcagggtcaa tgacacgtga actgtatccc cactcgttgt 300
 cataccaaga gacaagcttc aaaaaatttt tattcaatgc agattcagtc tttgcatcaa 360
 aaatacttga tctgttatca ccaacaaagt cgggtggagac cacattatct ttagtgtaac 420
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<210> 42938
 <211> 393
 <212> DNA
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<223> Clone ID: jC-gmro02910064f10d1

<400> 42938

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 cagatcttcg catattgagc ataagggaca ttaaacgaac tacatgatgc tgatcttttc 180
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<210> 42939
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910064g03d1

<400> 42939

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 ttgcaatgat tgagatacat aattaacccg tccaacaaac ccatgttgac taaagacaac 180
 acccatatgg acccaagaaa aaactatccc atcactaaag cttcggacaa ataatttgt 240
 gaaaaccaac ccctcatttg aggcgttcaa tctt 274

<210> 42940
 <211> 460
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910064g06d1

<400> 42940

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 aacatccacc gcaaatgtta aattaaatac aacagcatta ataataaac tcatttttgc 180
 ctacgacgta tgtcattttt cagtctttga agcacacgcc acaacatgag atttgaattg 240
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 ttgcaccgtt cccctcctc cattactttc acagtcacga gacacactaa caatcgcca 360
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<210> 42941
 <211> 513
 <212> DNA
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 <223> Clone ID: jC-gmro02910064g08d1
 <400> 42941

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 aagaggttct tcttcttctt cttcttcttc ttcacagag gcacagcgcg gtggccggca 240
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<210> 42942
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910064g12d1
 <400> 42942

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atccagtaca aaatacaata aaacacttca caacaaagca aaaaagttcc cccagatcag 180
gcatgcaaag gacactttac atatcagaca caaaagatcc aaaaacaatt ttaaaattaa 240
acttaatgca agttaacacc tcgtcccgat cattcttcag tgatcatcttc agagagtagg 300
gtcccgtggt agtaatcgaa ggcaatgttt ggggtgtgaga aatcagaaaa ttgccattgg 360
caacaggaca ggatacttca tgacagagat caattctttc agtatggaca ggcaccccaa 420
cgtatgaaac tccaattaca gcttcttcac cataaatagc tttactag 468

<210> 42943
<211> 473
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910064h01d1
<400> 42943

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ctgtgcgtcc acaagcacia gtgtggaggg actgacaaac atcgggtgta ttacggtttc 180
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ttgtagatca gacaaatgta ctctgaggca tgtgctagag aaagtgtttg tatgatgtgt 420
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<210> 42944
<211> 379
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910064h04d1
<400> 42944

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 atactccaaa tcaaaagcaa aatgaactct tgactttgac aaaatcatga ttgcagctca 240
 agggtcgaag tcctcttggg catcttcaaa ctctctctgg ttctggtaac cttccatgga 300
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<210> 42945
 <211> 509
 <212> DNA
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<223> Clone ID: jC-gmro02910064h05d1

<400> 42945

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 ctcagatttg aggtgaagaa gcactcagcc caagccatgg catggactca gctgccttgt 360
 tagaaggccc atttgctact tgatatggtg ctttcgaagc aattctgtag aaacaacaca 420
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 ataggggtct aatattaatt gcacttttg 509

<210> 42946
 <211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910064h06d1

<400> 42946

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09531113.032200

ttttactccc tctgatgaaa cataaagcaa gccaaagtaat aaactaactt ttgacaaggg 180
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aaccataaat ataagccatt tctgcataga tacctggtat gaagaagaag aagaagcacc 360
gttgcacaaa ttaaateccat accacgtatc tctggggata tatgtgttgt aatagaaagt 420
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<210> 42947
<211> 529
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910064h07d1

<400> 42947

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gcttttttta aaaaattgaa ctttaatttc ctatagaggt aactcttctt ccttcttat 180
tctgatgttc tcttttctca cttcacaaatg gtccacgcca cgtcattctc gaagatccag 240
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agcagataag ggaacaggct ctggtggcac gacacggatt gggtgacttt accaccgttg 480
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<210> 42948
<211> 506
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910064h10d1

<400> 42948

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 attttcacia cggtagagat aaaaaaata aaatcagacg atattctcaa aatacaagta 240
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<210> 42949
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 <213> Glycine max
 <223> Clone ID: jC-gmro02910065a01d1
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 tgcacccgcc actgttgccg gcaagccatg atgttccaac aaggaagcag cagccaaaca 480
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 acc 543

<210> 42950
 <211> 396
 <212> DNA
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<400> 42950

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 tggtcctatc tacatattaa tatataatac gatgaagggg caggtttgtg tagagcaccg 180
 agagaccatt gcaaaacgta ttgtagggga caagagggca aatatccagt tttatatccc 240
 aggctactt atgggtccag cttgtaacag tggactcata cttgactttg tcgtgctgta 300
 tcctatgaac atatgcgcgg accaaagggc catcgggagt tggatccgtg ggcaaggaac 360
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<210> 42951

<211> 445

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910065b05d1

<400> 42951

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 tatcatcata cacaacacaa ataactctga ttttgtgcgc cagatgacag aactcatcac 120
 tcatcagccc acaaaaggac catcaacatg gtcatcactg cagtagagac ctggacgacg 180
 tttgaaacct cccctgttca gcttctccct tgccttcaaa acaatctctt gatttgtgac 240
 agcaccatca ctctcctcaa tcacagcctg tattgcattg ctaaaagctc cataagcact 300
 ggagaggta cctgctggac ttgcgtcagc agaagtttgg tctgtgtgac aaccactcat 360
 cagaattccg ccgtctggaa ggctcggatt ggctgaactt gttccaacat atgccttata 420
 tatgctttca acctttgtct ccatg 445

<210> 42952

<211> 471

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910065b07d1

<400> 42952

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acttatacaa actcaaccaa ctagatcggc ctaatgatga aagttttgga tggttcatac 120
aagatttttag gttcacacct tattctcgcc gttaaaaaaa acaaaaaaat tcgtacaaat 180
tctaaatagg aatgatgata acacattggt acttttctag ttgggcctgg tgcaatcaaa 240
cctaatttca ccttgatttc cagttttaac accaaccctt cccaacttag taacagcatc 300
aacaaaagct ttctgaaaag ctcttcatt tgatgcaa at aagttgactg tggcctttga 360
ccttgcatct gtaaacagca cctgatcaga agtgaagaga cccttacctt gctgcagatt 420
cttgaagtat tggttgtcaa acttttgagg cgggacaggg tccatgttta t 471

<210> 42953
<211> 435
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910065b08d1
<400> 42953

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caaccatgcc ttttttttaa ttaaaaatca atttggcacc aaaaaagtaa ataactttcc 120
ccaaaggggc caaaaccgc cccaatttt taaaacagga ataatcatcc cgggggttgc 180
ccttggcatt tgaaacacta gcaaggggac caccttgcaa attaattctt tcaggggggc 240
taaaagcgac cccccaaacc tgggctgaaa gaatgtttat tgggtggcca aatgccctta 300
tgttaaaaac ccatagcctt acaaattttt tatttgaacc tgtagcaagg ggtgccccat 360
ttgggggtcaa gtccacaccc aggaccaat ttgggtgacc tggcatgggc ccaaataaag 420
gttttcctc aaaaa 435

<210> 42954
<211> 491
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910065c01d1
<400> 42954

aggtagaagt aaaactgagc ttttaagaaga aaactgttat taaaaccac gagggaaggt 60
cgtaaacaat atacatcagc acatatctta acagaaagaa aagacgggtac tgaataaaaa 120

aaaaaaaciaa tgctatcagt tgtaccaagg aaagaccatg tttggataaa gcatcagtta 180
 cttggttggc ctctctgaat aatacgtgat tccaagaaag aacagatttg actagtcggg 240
 cggactcagg tgggtgtcta agcagccatc ctttatcatc ttaatgacta aaagagggag 300
 attctaccat cagatgattg attcctcttg aaccagccag gttgagacca aaccaataat 360
 actgacttcc atccttgtgc aaaccaatth ttaactaatg tataaatact atgttacact 420
 gaaaacttat aagaaaaata aacttggaag tcaatatata tcaatactac aaaaatttat 480
 tacacttaaa g 491

<210> 42955
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910065c04d1
 <400> 42955

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 agtgtgtgtg tgacttatgg agtccaattc agagtccgac gtgattatca tcggagctgg 180
 cgttatgggc agctccaccg tctaccacgc caccaaagcg ggccttaaaa cccttctcct 240
 ggaacagttc gacttctcct accactgtgg ctctctccac ggcgaaatccc gcaccatccg 300
 cctcacctat cccaccact actactacc tttagtcatt gactcttacc gcctctggca 360
 agaggcgag gcccaagtcg gctaccagat ctacttcaag gcccatcaca tggacatggc 420
 ccatcacaac gagcccgcca tgcgcgcct catcgactac t 461

<210> 42956
 <211> 302
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910065c05d1
 <400> 42956

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 aaatttccac attgtctgca taaatattaa gaccacctta agccctataa caaaaaaacc 120

taagataagg atatttagtt ctggtgagca tgagagatat aatagttata ctagaaaata 180
 aagaatgcgg acatcattgt aaacacgaaa ctctttataa aagttaacga agtctgtgta 240
 agcagaatat gacaccatac cgtgagacca tgctgttgcc accatcattg atggcagacg 300
 ct 302

<210> 42957
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910065c07d1
 <400> 42957

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 taacttgga gacgcccag cttatgctta ttccatgtct tgcaaagcct atttcatatt 180
 gctaagaatt tatcactctg cagtttttcc taatctcccc atcagtccca gtcttaatat 240
 ttatatcccc catcttgatc atagaattgg caaagtcccc aaagaagagt ccactatcgt 300
 tgctataact ttgaactaaa ggtttagtgg ttgaattagc ttcatcacta gaaaatagaa 360
 tctggtcaga actgagaagc ccctttccac tgagcaagtt ctcgaaatag tgattgtcaa 420
 atagatccga tgagttccga tcaaggactg tagtaacggt tccatcttca ttttgaggac 480
 acaaactttg caggtcagag agcatgtcag tgtct 515

<210> 42958
 <211> 585
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910065c08d1
 <400> 42958

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 tacgtatccc gagctgatta cttgctcaca ccacaaataa aatggagatc tctaaacggt 120
 aagaaaattc ttgagagcaa taatttaatc tagatatata gggttgaata aaaatatttc 180
 tgatacatgt aatgaaattt aattgcactt gaaatccgga ccataccaag gagtggaaga 240

tgaaatcccc ttaaacaatgt aaattaccat gagcagcagc cactacttga tgcacagac 300
 agtggggggtt tctgcttgaa gatgttcttt ttcacaccag atgagccctc agccaagagg 360
 cttggtgtct ccaaaatctt catcacaagc tcatcaaaac actgtgtaac attgactctg 420
 gtttttgcac tgcattcagt atacagacaa ccatattccc tagcaaagtc tattccttcc 480
 tttttgctga caaccctttc actttcctta tcaactttgt tttcaacaag catcttgatg 540
 caatcttgat ttgttgagta taagtcaatt tctttagccc atata 585

<210> 42959
 <211> 456
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910065d01d1

<400> 42959

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 agcttttttta ttgggaacct tcaatcacat gatttcctag gggatataaa actcttccta 180
 attcattcat attgggctaa cccaaccctt ttttgattcg ggtgccccac ttcctttatc 240
 aagttcccca aattttttgt taacaaaata accttgggtt ctgatttccc cttttttccc 300
 agggagcaca ccaatttttc ccattttaat catgggagcc gaaaagcttt taaagaaagc 360
 tttttggcca ctactgaatt tgttgacaat gctgatgggt tcagcccccg ggtgtgagaa 420
 caacttttgt ttccttttaa acaaaccctt tttaac 456

<210> 42960
 <211> 382
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910065d02d1

<400> 42960

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 tttttttaaa caacggaaat gttcctatga tagagacaac aatcaatctc gggggaagaa 120
 ctaaaggcct tatgaaaaga gagtattgaa aatatgtgtc ttatgaaatc acactgccat 180

ttataaaagc attgttgatg ctcacatcat tctaacaccc cacgtcccta taaatgctat 240
gacccagggt ttggacaaca tagacaacat acgagacttt ataccatggg ccagcttattc 300
cggcccaaaa atcggattcg ttgcctactt atacatcaac agaggctctg ctacgggggc 360
acatatataa atgaccaacc ca 382

<210> 42961
<211> 549
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910065d04d1

<400> 42961

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tcaatgcaaa aatttgctca aaattgtact acaacgcaca agttgcttga catctcagtc 120
tattctcaat ttttcatggc ttcatatgat tcatttatcc gtgcgattaa ttcactcatt 180
ggcagtgata tgatctcatc ttcttctaaa ctttttggat gattttcctt ccttgagacc 240
caagtacttg tctatatact ctccatcata atcttcttcg cccctccgtt tcttcttccc 300
tccagtctcc ttcattttca tgacgggctaa tcttttggcc tcaccaacac gctcttccaa 360
aagcagaact tctcttctt gtgcaggata ctctggtagc ttcttgcta taagcttctc 420
tatttgaatg taccactcca gttcatactg atttacaagg gaaatggcga cccagagcg 480
ccctgcacga gcagtccttc ccacgcgatg tatataatct ttggagtttg tgggaatgtc 540
atagttaat 549

<210> 42962
<211> 398
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910065d05d1

<400> 42962

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ggcctttaac cgttattgac tccccagctt aaacaaaggg ggggagtgtg ctgatacttt 180

gacctatggt gaatgaacag atggactcaa ttggatggcc ggggattcac ctgccacgtt 240
 tcaatcccga agaacaagag gccttcactg taagtcccca tcaagaaggc catcatgggc 300
 catgaactga acaacatgag atgcgaatcc ttctaatagac ccttggtgca cagtgatcaa 360
 aacctcgtgc gattgggcaa ggctgctaataat aatggaac 398

<210> 42963
 <211> 574
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910065d09d1
 <400> 42963

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 aataaaaaat acagacagca gggtcacaca actaacacat aattaaatat tagatacttt 180
 cataacaact aggagataga cgtgggttaa taagaatctc aagtggagtg gctttagtgt 240
 tggttgctct aaagacttca gtcatatcaa gaggctcagt tgatggattt aagatttcaa 300
 aggaatgcaa aaaactagca agtgtcaaac gaactgtttg aaggcctaag tttattccag 360
 gacaaatcct cctaccacct tcaaattgga atagctgaaa atgttgaccc ttcattgtcta 420
 tatctttatc agacggaagg aacctttctg ggttaaactc taatggattt gaccaaactg 480
 tttgatctgt gtggattttt ggaaagaatt gtaattagac gagtttcctt tttgacagtg 540
 tagccaccta tagtgcaatt ctttttaaac tcac 574

<210> 42964
 <211> 511
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910065e02d1
 <400> 42964

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 aacaaaacct ccatgcacgg ggataatgga agattggaat aacattggca ccaactggct 120
 gtgttgaccg cagccattat tagtcgctgg aagcaaccaa tatcttccca gaacaaatca 180

ggatgctttt ttcttcaaca aaaacataaa tagcacgctt gagaatttgc acaaactccg 240
 tgtccatggt ctaaactttt ggtaattgat atatactagc ctgtttggga tacgatcacc 300
 aggctcacac ctgaagcaga tcaagaaagt tcaaactccg catttgaact gatggcatat 360
 agaagctttg ctctcaaagt gcttggacgt ttgtatgttg gaagcttaag agtattgtac 420
 caggttgaag ctgatggaag tccatctaca tcttggcctg caattgctgc ccaaagagga 480
 acatcacatg caaccttgtg gatggtaaaa g 511

<210> 42965
 <211> 569
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910065e07d1

<400> 42965

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 tttcatcaac tctctaatac aagttcaaaa ttaatcccaa aagtaggagg atttagtagg 180
 gtaccaaaga tttcagacgc taaattacaa tctgaatcaa aaccagagcg ttttaaagta 240
 tataatccct cccttttaat catctcatgg agttgactaa catagatata tagtaaaatg 300
 agaaaatgtg cctctcatal cagaatttct tctacacaac attatgtatc attaacgagc 360
 cacatctggc actgattcat tgctttgtca ccatgaagct caccattttc cttaatggac 420
 ccattttgtt gaagaagttc ctccttgatg ggactactct gcttcatctc ctcaactttt 480
 gcagcttccct caagtgtac aatcaagttt gagaggcact tgtgaggatc atccagtggg 540
 gacttaggca taaggttttc agcaacatc 569

<210> 42966
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910065e08d1

<400> 42966

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 ttaaaagcac cgatataatc tgatacatat acttctctac tgtacagaaa taactcaaca 180
 tattttatttg ttttaataata ctttttagaag cagcttaaaa agcagttggc aacaaaacat 240
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 aaaaggacaa gaggtctctg agcaggtaag gagggttaac caagtgtcat ggccacagca 360
 acatttcact tatcagcatt gattccaaat atcctgacct tgtgcatgtg ggggaacttt 420
 gcaacaacca gcacaatcac tgcaacagtg ttgaataaga acattggatt ctgatagtct 480
 gttgtgtgtg aggctatcaa gtacagcacc aaaggaacaa ctgtgagaaa cttcctgttc 540
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<210> 42967
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910065e09d1
 <400> 42967

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 tattgaaaca aaatgaaatc accaatgaag gattttggcc taaaccatga ctggatttaa 180
 aaaaataatt ccttccatgg ggcaagaca tgagaaattt ttattatcat tttgccaaact 240
 tgagcatcga gtctgatctg gtggtgtttt cctggcaaaa ttacaaagac atttggtc 300
 ccctggctct ttgagccac accctttcaa gaaatgccca ccagagggtc attcaccttt 360
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<210> 42968
 <211> 517
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910065f05d1
 <400> 42968

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catcgcacat acaacaacca taccatacgg gatcactcat atgtagacag acaccacatg 180
gcatagcata actaataaaa aaacatggca tagcataaat aaccaaacc aaaaaataaa 240
tgatacaaga ttcattccatg aacaagacaa gattcttagc tatttataaaa tgcacaatgc 300
ttcctgatct ctcttctgt cctgtcttt acattaattc ttcccatttt ctccatggag 360
gttgcaaact cagcaaagaa attttcaact gacccttcaa gcaattcaat gatttgagcc 420
tttgtaactg agttngtcaa caatgcagca tctgacttan atagaccct tctcttaatc 480
acatgactat agtagctaag atcaaattgc ttgcgac 517

<210> 42969
<211> 437
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910065f07d1
<400> 42969

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agcttttaac atatgaaatt gatggaatta aggggtcaatt aagccccata atacatcaat 180
ttttatttct tagatagcat tagtagagta aaacatgagc ttaatttgat gatttagttg 240
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gtatgagcgt caggaatgtg gccctcttgt ttctcgtatt ccattgccca aagcactacg 360
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acgtcaccct ctatgac 437

<210> 42970
<211> 498
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmro02910065f08d1
<400> 42970

002220"ETFE960

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<210> 42971
<211> 376
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910065f12d1

<400> 42971

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tgccgtaggc gacgaaatgc tgcttattag cacttatgca ctcttgggca ctctggggat 360
gccaaagtgg agttga 376

<210> 42972
<211> 502
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910065g01d1

<400> 42972

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 ttttgggtcca agtaccactt cactaccacc accgtcctaa cctactaacc cacccaatac 180
 aaataactta caaaaaacat aacaggaaca taaagaaggt aaaaaattaa aaaattgaca 240
 atgaaatgat atcatgataa atgaaaaaga aaaaagcgcc tatttattat tatcactttt 300
 catcggtagc ttctgtaggc tggggtatac atacagctct ctgcaaactt cactaaatct 360
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 aagttctctt ggctcacttg tg 502

<210> 42973
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910065g03d1
 <400> 42973

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 aatccgcac actacggaaa gcatcaccag cagtaggatg taagttcttg ggagaaatat 180
 tttttcgcat ttgagcatga gtttctgctt catgctgaaa catcttcacc aattcttgca 240
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 accatgccta ctgatatcac cactactccc agaacgacta ggatggccgt gaaaacacca 360
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<210> 42974
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910065g05d1
 <400> 42974

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gtggctggat tttcaatttt gattaaatga acaattttga agggacttaa ttaatttcat 180
gcacttaata ataatcttaa gcagtgcacg atgtctgcac aactagcttt ccagggtatg 240
caacttctga ttttatatca gcctcccata gttcaggctc agacctccct aagggtggga 300
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tgacgcccc aacctattcc agcttgatg ttgcgggtac tgctcttaaa gaacaaaggt 420
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<210> 42975
<211> 442
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910065g07d1
<400> 42975

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attgaaatca aaactcttaa ctatattgtc aataacacct caattttcta tccaaaatgg 180
actggagatt acacctatga cataagattt gtaaattaca tggattctc atcatgaatt 240
ttctaagtct tttgcaacat gttgtgacct ttgagcagat ccgtagctc ttgtccctt 300
gaaggatttt aaactaatca gccgagcaaa ggcactcttt gatctgggtc ttattggacc 360
tccatgtatc tccgtcagat catcggataa cgatcttaca agatcgtcga agcgtcgtt 420
gaaggttggg aaccttgaca tg 442

<210> 42976
<211> 508
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910065g11d1
<400> 42976

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catacaggac gctgtaactt aaacacgaaa aaacgcagtg ctaaattaga aatttcacac 120
 cgccacgagc ggtgaaaatc caaaaggaga taacggcgac aacggcggaa cggtgaaaat 180
 gtccttgacg tcaactgtccc agaaccgggt ccacatagac ggcgttaacg gcatctccct 240
 aaaacaactc acatcctggt cgggtatctt ttccttcttc accaccgggt ttacttcctc 300
 caccaccacc ttctcttctc cgcgggcgcg ctttctctcg acgttgccct cgggcgcggc 360
 gacggagacg gtctccgcca cggcgctaac ttcgaggggg aagttgagga tggccttgga 420
 gccgcgaggt ctgaaagcgg ctcggtcgta ggccttggcg gcttcgacgg cgggtgctgaa 480
 ggtttcgagc caaacccctaa aaccgcgc 508

<210> 42977
 <211> 528
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910065g12d1
 <400> 42977

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 aaatatacat caagaggaat aaagggcctt agaaggtttg gtagaaaggc caaacccaaa 180
 tgggaagagg ggatcatagt gaggatctcc aacattcatt ggcagttgat caacagtttt 240
 gaaccatgtc cttggaagct ttccagtga accatagccg ccatataaaa catcagccac 300
 accttggcct tcgctacctg ggagccatgc agcaacaagt gcatctatta aaccaacata 360
 tggttcaata actacaggac gaccagaaat aatgataacc acgcatttta ttgctccaca 420
 gacatttgnt atgatcttag gaccaggttc tgggattgtc aagttcatgc tgtcaccata 480
 catttcagca taagggtgct cccctactat aactatggca taggaaaa 528

<210> 42978
 <211> 505
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910065h01d1
 <400> 42978

agcacaagaa attctgtttc ttattgcaag agcatgatct accaacgaag ttgaaggtaa 60
 gaattacaat ggatcccact tattccaaca cacatactac aaccatacca tatgggatca 120
 ctcatatgca gccagacacc acatggcata gcataactat tcaaaaaaca tggcatcgga 180
 taaataacca aacccaaaaa ataaatgata caagattcat ccatgaacaa gacaagattc 240
 ttagctatta acaaatgcac aatgctttct gatctctccc tctgtccctg tcttcacctt 300
 aattcttccc attttctcta tggagggttg aaactcagca aagaattttt caactgaccc 360
 ttcaagcaat tcaatgattt gagcctttgt aactgaatta gtcaacaatg cagcatctga 420
 ctcaaataga ccccttctct taataacgtg actatagtag ctaagatcaa atgtcttgcg 480
 atttccaagg tccatctcaa ttttg 505

<210> 42979
 <211> 592
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910065h05d1
 <400> 42979

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 cccttttatg ggtctcattt atgaaatcac aagtcattgc cttacattta taaaaatata 120
 cgtcaattca aaagaaaccc atgaaccgaa ggcaacttct ggttgactac ttgactaaaa 180
 acaatcccc ccaatacatg cacactgcta aagagcccg gcaagtgcagat taatcgagtt 240
 agaaggcaaa gcatatctcc atagaaaggc taaaaaacac taaaattaca tattgatgac 300
 attcatcagg caaatcaatt gaaaagccaa ggtcttgtat tctaataata gtcaaatttc 360
 tcaagaaaga gagcgcagta ttaaatacata cagaaaaaat actcagctaa cagggagaaa 420
 tgcacaagaa aacaacaaat gaaataatta ttcccgggag agcgagaatt gtggagagta 480
 tagaagaaga cgaccagttc aggaaactaa caatcacaga gacataaatg gatgtccgat 540
 ttcaattgct gcaatgcaat tacaagctct ttgtaccccc attataaaaa ta 592

<210> 42980
 <211> 534
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910065h06d1

<400> 42980

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 aggccctttc aaattccttt tgcgaatcaa caaagttgga aaccaaagct ttagtggtgg 180
 gatgagtgag cagagcttga tcagaggaga ataagctctt ttcttggagg agtagcttgt 240
 tataagcatt gtcaaacaag gtggaactag aatccaatga gcttcctgca tttttaacct 300
 ttgtgtgaga ggggcatatt gccttggagg cttcttgcta atgaaggggt cagagatggg 360
 tcaatctcta gtttttggct gaaccttatg gattctgttt tggaaagatt aacaatgagc 420
 caaccctcag gtgggacctt ctgagagggc tacataatct tccaaggaaa ggccctcttt 480
 gggagaagct tttttgcaat tgggaaatgt tgaatgtggg agccgcaatt gtct 534

<210> 42981

<211> 466

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910065h10d1

<400> 42981

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 aaaagattac acaaggagg atgggagaat gttgaaaaat aaatacttgt agacaatata 120
 ctgacctcaa gataatcatt catccagtac atatggggca tgaatttaat agtgaccaac 180
 aaacttatag ttgacaatca ggtcacatgc attatactaa acaacacccc tggtcggttt 240
 gcatgccacc agtccaagag gtcatttgca acaaaacttt gatcctgctg atagagatcg 300
 ggtcaaacct tagagaaagc cttctcctgt gcaggcagca cctgacttgt tattgtgagt 360
 gacaccttta ctattagaag cacttgcata gatatcatca aatccatcat ctttggcatt 420
 atgccattca gcccaaccat cactgttacg ggcagatgac ccttta 466

<210> 42982

<211> 76

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910066a10d1

<400> 42982

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attctttccc attttc 76

<210> 42983

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910066a11d1

<400> 42983

gggaagggga aaaatttatt caaggaaact gggatttatc caaaattggt tttgttgat 60

gcaaaaccac acccagttct acatttg gcc ttggggacat tcgccaatg ttattaattt 120

caaccggcat agccctaccc cccgtaattt tgagttttaa atccttcccc cattattcca 180

aataaaattt tgttattaac tttcaacttt gtgggggaga gggccggctt tacacattcc 240

ctccattgga attaac 256

<210> 42984

<211> 374

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910066a12d1

<400> 42984

catcccctaa cagtattttg ttgaatccag aacctttagg aaagagaact agtgaagaat 60

ttttaccaa gaaaggagag ttagatcctt ggatcagaaa aagcttgggc attaacactt 120

aaaaaaatgc taataaaaaa taattagggg cggcgggaaa catatgggca tactcatatt 180

tccggggaaa aattcacata aagggtggta taaaacattt ttaagcggg gctgtttgtt 240

ttctgcttgg ccttctaaat ggggggctta agctgttttt tttctgtgag aatttttaga 300

aggttaaaca aaagggggat gtggttgtgg ttcctccgaa aattttctgt tctccatttt 360

ttgaattttt tttt 374

<210> 42985
 <211> 554
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910066b10d1

<400> 42985

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 taacagcaat gttgctacta cttcattgag agtatacaaa tataaccttc aaactacaaa 120
 accaaccaaa caaaagttaa tcaaataact ggggaactat tgagtaatcc cttgagaaaa 180
 tgtacatggc taagtggcca gtaaattgtgt ttgtacataa cccccccacc ccctcaaaga 240
 aaaaactatg cattataagt agccatttaa acaagtatta accccagacc tgcctgtccc 300
 ccaccttggt atttctaagc aatattcagg aaccctatct tccacctttg ctatagctgt 360
 cctttaaggt gacagtccca ttaaaaacaa gtttttttga tgctcgagtc tggctcgacca 420
 caaaatagcc taatctttca aattggaaat tgtccccaac ttttgcattc tgtatggaag 480
 acacaccata tgcattggga attatcactt tggattttgg gtttaaactg ccaagcccgt 540
 tgtcaagtcc agcg 554

<210> 42986
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910066b11d1

<400> 42986

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 cacgaagaac acctaagaaa ctgtatccga gtttcttcct taaaaagaa acaaaagaaa 120
 aatgtcgatc ctcattgttc ctcagtcagt aaagccagca ataacagcat gtgggtcaca 180
 ggccttgcca gatgggctgg gctcaatagc tgggctgggc tcaacaggct gggaaagaag 240
 ctctgagggc aagtccttga tgcccttaag ataaaatgtg gagaatagtt taaaggggaa 300
 cacaatttga tgcagcttga cctgaccata agccccctca aagatgccag atccaccagt 360
 cacagcaaga taagtgtcct cataggtcag gtatgaaccc tgcaactgaaa tgtgaccgca 420
 gtccccaag tagaagctgt agattgcctc atacctatct ccctttttct cggctttgtt 480

ttggatcaag acac

494

<210> 42987
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910066b12d1
 <400> 42987

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 aaaagaaatc aaaaaatatg tgtcaattac ctcagaatta ttgcttggtcc cctttaattg 120
 ctgtcaacag ggaaacgaac gttgacaaaa agagaaaaga ctgaatgctg aacattagac 180
 ggcttggttc acaatcttca cactccaagg atgcttcattg ttccccacat gaagcacatg 240
 ctgtactaag gcaagttttc tggttgccaag tccgtgcact atactcaaact cttgacaaac 300
 atctactttg aaactaacca gcgctttctga tttttctatc aggcgaaactc tctcaaaacc 360
 catcaagagt ttctggggcg cactgggcac tggaggaggg gtcgagaaca aaaacactgt 420
 acgagcac 428

<210> 42988
 <211> 580
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910066c09d1
 <400> 42988

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 ggaagcttgt ataaaaccaa agatagggtg tgcagttcct atactcctgg ctgaaaagag 120
 ataacttata aggcaaaaac taaaaataaa taaataaata ataaccatag caatggatac 180
 aaaattaagc cacaagccac atgaagtagg ttgtccaaaa agtgactgca actgaggcca 240
 aaacatatgt ccatagcatg ataacagaac attcaccttc accagctcca aacaactgag 300
 cgatggtgcc tatagccatt gcaggtggaa gtgcatattg aaggagaagc acaaactgat 360
 acaagggatc tgggtgcacc aaacccaatt gtgttgctcc ttttaataact agaataccca 420
 aaattggcag gaaaatatat cgaactacta taattcctat aactgtccaa atagaagtat 480

ttgctccctt caagccttta aggaggttcg ctcccattat aagggttata attggaacgg 540
 cggcttcacc aaccatggta acagagtctt gaatcacatg 580

<210> 42989
 <211> 529
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910066c11d1
 <400> 42989

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 ccatgacagt ttttaaaacc acaaagtaca gacaagacaa caaagggtaa taaggcgaca 180
 ctgacatcga aacactttta tcattttgca gatacagacg actatttcta caatacacia 240
 cagagttaca gtgtaagaat acacagcacc ttcaccatta gtttttgtgt gtaaactgtg 300
 agcaatcgtt atatcaactt agcgattaag atcattctat atttttacca ttgttttctc 360
 ttgtaacttg ttcacgtaga cacacataaa ttcagtgggtg aagattatag tgtattaatg 420
 caccatatga tttgttagta tattgtgcaa taagccattt cagatgtatc gtgcaaagtt 480
 gtggctaaag ctaaagacgg actactaggt tacacctctt gttagatgt 529

<210> 42990
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910066c12d1
 <400> 42990

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 aaatccggag gcatggataa ccttcataac acaaatatat tagtgagtta aatacaaaca 120
 taccaaagtt aacacacaat taaagttctc taaacatttt tctaaagcaa atttaaacc 180
 atacagctaa ataccgacca caaattccct ttctggagtt tcacactttt cgtataacga 240
 ttacaaggcc cttaaactct gaagctcatt agtttatcca tgtttcagat tgggtggagat 300
 gccaaccaa attactttct gtgatgggca tgcatgcaca ttactctttg gatgtttgga 360

taagcttccc gtgcaagata acacttccac gtcattgctg gatgcacctt ttatctcagc 420
agaatccatc agctaccagc ttgaattctt tctgaatgac caaatgctta aa 472

<210> 42991
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910066d08a1

<400> 42991

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gccgcgggcc tcgtggggcc catccctccc aacaccatct cccgcctcac gcgcctccgc 180
gtntctagcc tccgtccaa cgcgctcgtg ggccccatcc ccttcgactt cgccaacctc 240
acctccctcc gcaaccteta cctccagaac aaccacctct cggggcgagtt cccacaacc 300
ctaactcgcc tgactcgctt gactcgctc gaactctcct ccaacaattt cacaggacca 360
atccctttct tctcaacaa cctcactcgc ttaaccggcc tcttctaaa aaacaattcc 420
ttctcgggta gcctccccag cattacg 447

<210> 42992
<211> 565
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910066d09d1

<400> 42992

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acctgatcac gaacagttca aactaaactc taatatagtt ctagttgcat gtatgtctca 120
agtccaaata aagatggcaa aaggaaatga aaaagatagt ttgcctaaga gataacaata 180
tcacaacttc attttgattt atccagcaaa aagttgacat taattgactc caaggagaaa 240
gatctccacc tcacagaaat acagcctcag acttccttct tgattgagcc tttcaattca 300
ccaccggaag gtatcttgaa ctgaagattt gttattgtag ttctcaacag accatctcca 360

actattaacc tcagcatctt cacaaaatca tcccgcgata tatgcttcga cctgaattgt 420
 tcataatata ttttgattac atccataccc ttgggaggaa cctgatttct gatagcatca 480
 agaagcaaag gaaaaggcat ccaaggggat tttggaactt tggggtgcta gcaaccatac 540
 taggagcttt tccattatct acagt 565

<210> 42993
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910066d10d1
 <400> 42993

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 tccaatgtta cagtgttaga agctaacatt caaacaacct ttcaaataac aaggtaaaag 120
 ccctacacca caaaaataat tatggtaatg gcctatctat gtgctgaacc cgagaatgtc 180
 agcataagtt gtgatcaacg aaaataaaaag catctgctta caacattttt aaggttacaa 240
 caatattttt ctccgaaata ctttgtttcc taaagggtgca ggctactatc cttgcttggc 300
 caaaacagtg ttagtggcag aaaagttagc accagcgtat tctgcagtgg cacactcttc 360
 agactttctt gtcgaggttg tatgggtgctg cactcatcac cctttctttg cgtttttcta 420
 aaaatcgagc caaggatgct ttccgggcct gaggtacagc tgatgtcaac atagtagttg 480
 cactgac 487

<210> 42994
 <211> 527
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910066d11d1
 <400> 42994

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 aaccaaacca atggtacaat attttattct aaggcaagat tttatgtacc atgctaacat 120
 taacattccc aaccacacaa catgttacat aacattgtct caaaagattg gaccagctgc 180
 gagaatctct tctgtcacgg tgttggtgcc cttgccaatc ttgtagttgg tgaaggtttg 240

aaaattgttc ttgaacaatc caaccaactt gaatagtgtc tccttgtagc cctttttgat 300
 cgaccaagtg ttcacagggg ctagaatttc tgaagggaca ccctccactt cgggtggggat 360
 ctcaagccca aaaattggag gcttcttggg ctctgcattc agcaaacttc ctgagtgaat 420
 agcatcaatg atctttcttg tgcattgtag attaatgcga cttccatagc catagatgcc 480
 agcagaccaa ccagtgttga caaacatcc ggtagcccat gcttctg 527

<210> 42995
 <211> 517
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910066d12d1

<400> 42995

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 ctcatgcgtt tattcagcac catattctac aatttaagca ttaccataat tgtgaggacg 120
 aaattcaaag acaaaaacaa tttcattaaa ctagtccatc tagcaaggat ttgctgtcta 180
 aattatcaac cttggacttg attgacaaga tgttcttggc caaatcagaa gacttcagct 240
 caagctcgct taaatgctct ctgatctctt caatagttgt tttgatatca ttcacctttt 300
 gttctttatg agccaaactt ttcagatttg attacagctc tttgttcaat gtttccattt 360
 cacgatcaga gttagccttt ggcattctcg ccatgcagtg ctcatcaatg agttcaatgg 420
 tttcagcaat tgcattcaact ttgttgcgca gccaggccac gcgaagctga acatattcta 480
 catacctcag aatagccatc aattccatga ttttaga 517

<210> 42996
 <211> 379
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910066e06a1

<400> 42996

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 cacttcgctc atcgacgagg ccgttactac tgatggatgc agccgaacgg tcggaaattt 120
 tctttacacg gttgcgacga agtaccctgc aaatgccttg ccgcatcgcc caacattact 180

acagtacatt gtctcgtaa aggtgaaaac aactgcccag ttagatgcag cattatcatt 240
 tcttgctacc acaggctccg agaatcttga tttggaccgg tttgaagaag cttgtggtgt 300
 tgggtgttgag gtttcagaag aagatatcaa acaagctggt agtgaagttg ttgaggagaa 360
 caaggctaca attttgagc 379

<210> 42997
 <211> 563
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910066e09d1

<400> 42997

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 gacacactaa ttgttttcac tactcttaaa atttcccata atttggtgat aatttttctg 180
 acaattacaa atttcacaca cccccgttga ttaaaatacc tatctacaag tactatttta 240
 attacaatca caagaaatca gtaaagcacc acgcaacacc ctgcattttc ttcccccttc 300
 ttttgtcaaa aacaaaattc cacaacatcg ggtgtccaca cacagttccc attttaggtt 360
 ctccctcaat caaccaccac cacgctcaca ttgtaggaac tctgtctaac caacgccaat 420
 ttggtcagca aaatggaggc gtttgagcaa gccttgctcg agcagttcac cgtcatcttc 480
 ctcccttgag acnaaggcgg ccattggcgc ttttgcgctg tcagacacat ccgcaccact 540
 ttgcatgcga tgcgttttg cac 563

<210> 42998
 <211> 562
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910066e10d1

<400> 42998

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 cattaattag tttttaagca tactaatcaa agacaatgct ccccgagggt tcttggcctt 120
 aataccaata tactccttca cagtcaagga acgaaaacga ggcaaggaat caagaaccaa 180

aggagaaacc acatgatcca cagggggacc atagaaataa gccactgagt atctttccct 240
 tgcactattc accatgacac gatgcaatgc acatctaaac cttgagttgg acaagatgtg 300
 aagaatgtca ccagtgtgaa caacaaggct gctaggggtga ggggtgcacag ggaccacccc 360
 tgcccccttc ttgaagattt ggaggccatt ggtttggtt tgggtggagga ttgcgagaag 420
 ggaagtgtca ctgtgagggg ctagcccat ggcttggtt ggctcacgac aacgaggggt 480
 gaagtttagc tgaacagctt cacagaggtt gttggttgaa ccattaatcc accttttttg 540
 cttctcagaa atgccccca at 562

<210> 42999
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910066e11d1
 <400> 42999

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 aataaattgt gagtaaaagg cgaaaaggta ataataaac aggttacgtc ttgatgagaa 120
 gacattagac ctatgaatga agaagtgtt gttatgaaac acccaaatta ttcattcctca 180
 cctagcagga catccattga ggggagggat tgacttcaca acaatcttaa acttgaggct 240
 actgaaactt gaggggcttg acaacttccc aggtgaagac agggtcattc cttccaaagg 300
 gtccgtaagc agctgtcttg aggaacctat ggccaccctt ctttaagggcc aagttaatgg 360
 ggatcatccc aagtctgaag agcgagttct tcttcacaat tagaagaatt tccttgtgag 420
 gaatctttcc agttccatta gtggccacaa aactgacaa gggc 464

<210> 43000
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910066e12d1
 <400> 43000

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tccatatggt ccttagatag agagactgag gggaattcct ctgaaaagca atccctactc 180
 actagaagga tagagcaaag ggtaacgcat tttaactggc ccatgacggc ttatcaaggg 240
 catatgtctg gtgatcacta taaacgcttt tgcaatctct tcaagcttct ttccaacacc 300
 tattaaatgc ctcttatgga cgggcatcag aagtccagaa gtcaccacca tctttttgcc 360
 ccatgtagaa ctcatcagat gcgtgccctg acgagatgtc tataactggc aggtcaatga 420
 gggctcttct 429

<210> 43001
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910066f09d1

<400> 43001

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 caatttccat ttttctcttc aattcaaagg gctataacaa tttttccccc ttttgcttgc 180
 aaggctcttg tgtcaaataa catcagtgtg tgactctcag ataaggctta tgaagcctca 240
 acttgcttgg gattggattg gattccgcaa accatattag ctgggacagc tatgtcaatc 300
 attttaggat atgacagggt aagatttccc atgatgttct tgaaagggac ctcatccttt 360
 gatatgcgag gattggaatg cagcttctct ccaacagtgc tcacagtga tctttttag 420
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<210> 43002
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910066f10d1

<400> 43002

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 ccatggctgt tgcggatgcc aacagaaatc aaggctcgtg gtgatggaag agccgacaga 180

ggcgtgaatc tttgtaggag atggtacaaa cgcgacaaca aaaggaccaa tttgtaaatt 240
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 aaccggtgat taaaaataaa ggtgcactat atgatggtga tatagtggtg caccacctat 360
 tgtatggttc acccgatcat tcactatata aggaaaacca atgaagacaa aactaaaaag 420
 aacaccacaa gtttcagcgc attttttagct attcatagat tagatttgat ggctgactta 480
 cagaaataac ttccctcatt acaccttctt gaaccacaga cacaagatgc tctccttttg 540

<210> 43003
 <211> 531
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910066f11d1
 <400> 43003

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 gatcaaatat ttctgactca aaatccgcac ttatgctacc taaatcacct tgtttatttg 180
 tccatatatg tatcttattt gattcagcca attcatcttc aactattctg caaacttcaa 240
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 tgttgtcaat tgcctcaacc ttactctcat catcaatcat caagttacca tcagatctca 360
 caggaagggtg ctgatcattg tcaagctttg gtgacaattt tcttcttgca ctcaaaccac 420
 ctgttgacaa agcttcacgc tcaaaatcaa ggacagaaac tgggcttgaa tcttctgact 480
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<210> 43004
 <211> 560
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910066g05a1
 <400> 43004

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 attcctcggg gaattccaat tccacatttt caagaaataa ggaggcaaaa atgttcatat 180
 atgaattgga attatttgtt ttcttattag gcctatcctg aagccaaagg aatgagatc 240
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 atcggaattc ctcggggaat tccaattcca cattttcaag aaataaggag gcaaaaatgt 420
 tcatatatga attggaatta tttgttttct tattaggcct atcctgaagc caaaggaaat 480
 gagatcgga ttcctcgggg aattccaatt ccacattttc aagaaataag gaggcaaaaa 540
 tgctcatata tgaattggga 560

<210> 43005
 <211> 553
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910066g09d1
 <400> 43005

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 tgtactatcc ctgtatgtgg tgcattagtc atatttgtct agagtgtttt acagttcaat 180
 tgaatcaaga ttgggaacca caacaacct tttgctaate tcgccaagat tgcaaacactg 240
 tttctgtgca gtgttcacag ccataacatc ttgaacacat cgacaatttg aacctggaga 300
 cacgtcgagc agagttttct ctaatttttag tttgattgct ccaactttgt acaccagcat 360
 tttgcccata tatccccttg gcaactcttc caaggcatte tttgactttg tggcctctcc 420
 cgatactgtt gatgtaccaa ttttctcctt ccccttatta ctctgcttgt ccataggcag 480
 aggagtagga atcaagatct cgagttctgc agcagaatta acagtattct catcatactt 540
 cacactagta gca 553

<210> 43006
 <211> 411
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910066g10d1

<400> 43006

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 aaatattcaa ccatacctgcc aatacaaggg taaaatttta aactttttta ttgggcttac 180
 atttcactgg ttaaaaagta ccgtttgctt ttgccatac agaccacaga agaaattttt 240
 ccccatcat cttaaactgg gggggcctta atcgaagacc ccaaattttt ttaccagggt 300
 ttttggccta aacactgaaa gtaaaaattg cttttttttt tatgtcaatt agcccatggg 360
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<210> 43007

<211> 498

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910066g12d1

<400> 43007

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 agatgtcaac cataatcaac aatatagtga gtgtttggtt tgccctttac ggctccagac 180
 atccattcac gtgttccaaa ttggcaaacg ttaaagtaac tatacagctg gattggaaaa 240
 aagggtgggtt accatgaacc ctagcttttt ccaaagacag aaagtattcc ctccacgtta 300
 cgaatacttc aacagaatgt gattcatgag gcgtcaactg aaacagccaa agcattcagt 360
 tgaacgtggt gtttaccctc attgtctggg tgaacaatga cagtagcatg cgctcggaa 420
 taagattgat tggctccttc ttgtgaaact gatatggagc acactttatc tgctgtgcag 480
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<210> 43008

<211> 481

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910066h09d1

<400> 43008

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aaaagatata actttccgga atataacttc cgctcactct ttatgcgttt tgcaaacttc 180
ctagagttca tcatgtacac cctcttcctt ggtgacttct ccagcttcgg cctttgattc 240
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aactgggaca tcctttgatt cctcctcttc cctcttcttg tcggccttct caaatgctgc 360
cttcatagca tccttgtgct tgcccatgt ttcttcaacc agctgcttag catactcagg 420
atcatcagta attaagacat tgtcaaaca agtaccagat ttcacctgcc acaattcaat 480
c 481
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<210> 43009

<211> 379

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910066h10a1

<400> 43009

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cacttcgctc atcgacgagg ccggtactac tgatggatgc agccgaacgg tcggaaattt 120
tctttacacg gttgcgacga agtaccctgc aaatgccttg ccgcatcgcc caacattact 180
acagtacatt gtctcgtaa aggtgaaaac aactgcccag ttagatgcag cattatcatt 240
tcttgctacc acaggctccg agaatcttga tttggaccgg tttgaagaag cttgtggtgt 300
tggtgttgag gtttcagaag aagatatcaa acaagctggt agtgaagttg ttgaggagaa 360
caaggctaca attttgagc 379
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<210> 43010

<211> 507

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910066h12d1

<400> 43010

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 tattccagaa aatgaagcaa aaataagatg ataaccgcag aaattagcgg taacggcgga 120
 gagacagggt gttgtttctc tttcaggttg ccctgcgaga tggacgtgct ttgtggtaca 180
 gatgtcctct gccacgtaaa cccctgttgc ttttcccagc agaggtgagc ccacgcagct 240
 ttctgtgctt gtgcactgga ttggcgagcc aattgattct gggatcattt ctaatagcag 300
 catgagccac atccaccaga atcacctgaa agtatattata agtggagtc ccatcacc 360
 agtaagaatt gaggacccta agtccacca gcttacgtcc agctcgctcc tagcaactga 420
 cctcttgcta cgctgaaatt tcagttgggg aacaccctgg tttgtgggct ttcataaac 480
 aatacctttg ggaactgggc ttttttg 507

<210> 43011
 <211> 556
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910067a02d1
 <400> 43011

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 aaaataagat gataacagca gaaattagcg gtaacggcgg agagacaggg tgttgtttct 180
 cttccagggt gccctgcgag atggacgtgc tttgtggtac agatgtcctc tgccacgtaa 240
 acccctgttg cttttcccag cagaggtgag cccacgcagc tctctgtgct tgtgcactgg 300
 attggcgagc caattgattc tgggatcatt tctaatagca gcatgagcca catccaccag 360
 aatcacctca aagtatttat aagtagagtc ctcatcacc cagtaagaat tgaggaccct 420
 aagtcaccc agcttccgtc cagctcgctc ctcagcaact gacctcttgc tacgctgaaa 480
 tttcagttgg gtaacaccct tgtttgtggg cttcccataa caataccttt gggactggct 540
 ttttcggcac cctct 556

<210> 43012
 <211> 458
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910067a05d1

<400> 43012

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 cagcacacgt acgtagaaag gggaagttcc aggtcttgcc caacatacac aacacaccat 120
 aatttatttt atatacaatc ttatggggcc caagatgcag atgcctggac taattaaaca 180
 acaccgttag tctgataggc aggggccata aataaattgg gtaccataa aatggccttg 240
 cttccaagga aatggcaaac agggtttagt ccaggatcaa ctcccatgag ttcatagaagc 300
 atgtgatgat tcattccaga agtatctgag tggcaaacag caagtgcctg agttttggtt 360
 ccatcaccag ccaccaatgg aaccatgaaa gctgttggtt cacggacttt atggcagtaa 420
 aatactgcag ttctgaaatt tagcccatga cacatcac 458

<210> 43013

<211> 521

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910067a06d1

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 ctaaactatt tgaaaacaaa gtgttcaact gaattgtcaa aattgatcat gccagtacc 120
 aatctctagt tataactgaa catcaattaa cacgtaacac ttacagcaaa atatctcatt 180
 ctaggaagct attagaaaat accgatagca aaagaacctt aaaatcagga caggatgttt 240
 gaaaactcat ttcttttttc cgcctttgc agcatcagat gccttgggtc tcttaactcc 300
 acgaatcttc ttagctctat tctttctctc cttcatttgc ttcttgatt tctctacttt 360
 gggatcaagt ccattcctga taagcctgta tttaggctca tacttcttag cattcttaac 420
 tgaatcatag atccaaccaa acccagtgga cttgccatca ccaaatgag ttcggaactt 480
 tgagacaaat acagtgttgg tgtctttcac gggatacatt c 521

<210> 43014

<211> 386

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910067a09d1

<400> 43014

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 cgaattgaaa acaagctata ttaattggca atttttttta aagcaaatga atgatagtat 180
 tgattcctgc ggctaataatt acaaaagaca attcaagaac attcaaccct cccatgaaag 240
 gcaacaataa gcagagaaaa acaaaacgaa atatctgaag aacagccgct ataataatttg 300
 cggacgggga ggtgaaggat gagtgagggt tgattagtca aagtcaagga attccattct 360
 tttcctcata gtcccccttca gatctg 386

<210> 43015

<211> 612

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910067b01a1

<400> 43015

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 gggaattcag cattgettga tttctcctct tacacctgat tctgttttct ttttcacatg 180
 catcattgcy actgtttaga tagctttgggt ttgtgacaaa agtgattcct tgtagttttc 240
 ttttttatat tctttggctg agatgaagct gtacaaacta aattttgtct tgcaagttgc 300
 aagcctgttc taagatcaaa attggaagag gtatatcaag agggggggaga agaaagttag 360
 gaaatggatc ttcactcttc atagaatagc atgatatgcc caacaaagta gatgctcatg 420
 ccaataccaa gtgttcaagc attgattgaa gaaaaacaat aaacttctaa gtacatactt 480
 gcaggcttca tgcaactggc aataccctgt attactgtat atttaagccc tcatggctca 540
 ngaagttaaa gtaagttcat ccactgattt attgggtatt atcatcacgt tttgagtagt 600
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<210> 43016

<211> 415

002220 "ETTTE560

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910067b01d1

<400> 43016

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agcttgctcc ccatcaaaga taagacaaag tttaaaaaca agttcaatcc cttctgctag 240
gctgctagct atcatgtcca cagaaattca tatactatta tgtcaataga gattgtaaag 300
taatcattac aatttcacat gctatttgct acggcctacg ggaaagctcg ggcaagcaaa 360
cttgcttggt gagtaatgct gactcgcata agttgtccat tacttcaactt gacaa 415

<210> 43017
<211> 568
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910067b06d1

<400> 43017

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attcttgaac tcgtcgacaa tatgctaact aaaagtcagg cgattattga tataagtctc 120
gccaaagggg aacagttaca atttccaagt tacataaacc acttgctaaa catacccaac 180
aagaacttga aggtaaaaga cgtccgaaag gcgcattgta atccaaataa attttaaaaa 240
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aacttgtttt cttccaagaa ggtgtaagta ggaacctcca gattgtatgg tgctggcccc 360
ttcctaattc tgctgaaat atcataatgt gatccatggc aagggcaaaa ccatcccca 420
aagtcaccag catttggaac tggaatgcaa cccaaatggg tgcaaaccac aatcacaatg 480
agccattctg ggtccttgac tttatcagca tccagctggg gatcggaag agatccaaca 540
tcaacactgt ttgccagctt gatatcat 568

<210> 43018
<211> 413

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910067b07d1

<400> 43018

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 aaatatacat ggaactcgaa cctatccgat gaaaattcct tcctggacaa gatagcaatg 180
 taggaagggt ggcataaaaa gcaacgttgt gcaagggaaa gaaatataaa aagtgaaaga 240
 cagaaagaca agaatttttg gtaaaccatg ctttattttc caaaatttgg caacaggcca 300
 ttatccatca gaaggatctt caccttaaaa cccattccct tttttttaat caaccaaata 360
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<210> 43019
 <211> 575
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910067b08d1

<400> 43019

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 cactggtatg aaaaaacatt tgtgaaaaat caaatacctt aaataagtaa acggtggtgc 120
 cccactataa caggtcagtc caaaatcaag tgctgcataa aaatccaaag caagttcaag 180
 tttaagatta ctatgccccg gcacgttact tctcacttgt tggaagtgat gatgatggca 240
 aaagaggaac ttcatgatca tggaccgttt gatttctttt gataccatcc atctttgtgc 300
 agttttcaaa tgctttcggg tttccacagt acgtccaact tacgacacaa agaagccgtt 360
 tagtttaacc acttctcttt gcgatgtttc gttcacaacg ttcatgcctc taaacggcca 420
 cccagtttca tttcaatttg tgaaaccact aacccaaacc acccataacc cattattaca 480
 ttacattaaa tatgttcaaa ttaaaaatga aaaataaaaa taaaggtaaa aggacttgca 540
 ttacatataa agtctcctaa tgggttataa aagct 575

<210> 43020
 <211> 456

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910067b11d1

<400> 43020

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 gagcgagagc tttaggcatt ctgaaagatc cacgggttgc actggaatcc atatgaaatg 180
 gtgaagaagt tgtgcaagcc atagatgaac tgtggctaag cctaattgttt ttcctgggca 240
 caccctacgt cctgcaccaa atgggtgcaag tcttatgtcc gaccccatga tcgacacatc 300
 ttctttcatg aatcttttcgg gcttaaaggc ccacgggtcc tcccaaattg atgagtcatg 360
 tgatatagcc cacatgttaa ccattgcagt tgtgccagct ggcacgatga ccttgtccac 420
 gtggacatca tggattgcga ggcgagccca ggaaag 456

<210> 43021
 <211> 425
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910067c02d1

<400> 43021

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 ctgctggatg ccttaaaata atgggcttct catagctaaa catattacat caaaattgca 180
 gttatatttc agctaaagat ttttggaaag acaaatgtga ggtgtggaaa acaaaaacag 240
 cattccataa aaccagagaa agaaactcac tctccgttg cccttccttt cggtttacag 300
 agctatctat ttaagaattg aggaacaaaa ttggcgatga agttgcaagc ttccttccta 360
 gacgttttgt ccgcctataa ctcccacatt ttcctgttt ttatttaagg gccataaagt 420
 tttat 425

<210> 43022
 <211> 540
 <212> DNA
 <213> Glycine max

09531113.032200

<223> Clone ID: jC-gmro02910067c03d1

<400> 43022

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tttctttctta aaatgttttg gaaaatccaa catcgaacat cacacagaaa tcagctccag 180
cttaaaaccc cccacgaaga cgcaacacca agtgcagagt tgactccttc tggatgttgt 240
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ccggtgggat tccttccttg tcctggatct tcgccttcac attgtcaatg gtgtcggagc 360
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cacgaagacg caacaccaag tggagagttg actccttctg gatgttgaag tcagcaaggg 480
tacgtccgtc ctcaagctgt ttgccggcga agatcagcct ctgctggtct ggggggatac 540

<210> 43023

<211> 501

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910067c07d1

<400> 43023

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tataaagatt acgttccgct tagtgtacgt attgtctcaa taaatcaacc acagctcagc 120
actgagcaat gcaaaaacgt taattgggta agttgtaagt agcaaggatt ctttaaataga 180
aggttgctag ccaaataata tccagtgttg ctttaaata acatacatct agtctagaat 240
aactaaagat actaaccgat actacaacta aactggccta accaataact aaagataaca 300
atgctattac caactggata attaccacaa aacgatgaac agctaccta tacacagctt 360
aaattcatta gccataggaa gaaaaaatta aatgctctga agaagagtaa actgatgagc 420
agaagagaag caccagttta aggaataaac aggggggaca aatacccact tctaggtttt 480
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<210> 43024

<211> 498

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910067c11d1

<400> 43024

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ggataagtta attcggttaa taaaatcaag ttgaggaaag aaaatttttag aattacatgt 60
agaaagctaa ctacatcctc cacctcaaaa acacagactc ctcgggaaaa actcggcctg 120
gcaagcaagt agaaagggaa acctacaacg gaatactatc aaatcctttt agcgtcttac 180
aggcagtaac tcaactccagc ttatatacgt ccatctcatt gatcaccctt tcaagcttga 240
caatctgacg caaaaagtaa tccccataac gtttggcagg cttagactcc ataacatgaa 300
ttgtgtcatc atcaatatag aaatctaaat cggcattgga tgtaattttc ccatcactat 360
caacagcatg tgtcttgtgc ttgtatgtca tcaagatagt ccttaagggtg ggttcatcca 420
cttccatgta acttgcaagt tntgtgaggg agattgntga atacactttc aagaagggtgc 480
ggacacctga tagcaact 498

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<210> 43025
 <211> 499
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910067c12d1

<400> 43025

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cagcaaaaaa ccaaaaactg gtctagttgc catattattc aaaaacaact tttagctttt 60
ccaattctac attataatgg tgacatcttt gaagattttg gacaaaaacc taagctctgt 120
atagagaaca gaaatggaag ctccgtcccg ttctactaac aaaactggaa gtagaattgt 180
tagttgatac tatagaaagc ttgaatccta agttctggaa gcagtaaaga tgctccaaca 240
aatccgcaac ctaagttcta taacgtagta tttgtgctaa aaataaatcc ataaccaggt 300
agaccacccg ttgaaaaaaa attaagcagc atcttcttgc ttctgagcaa aagcaagccc 360
cttctctatg ctggccatga gttctggctt aagagattcc aaagccttct gctcatagtc 420
agtcaaccct tggagggtcag atggaattaa tgctcaact gctctctac caagcttcac 480
ccttgaagca nagaatgga 499

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00531113-032200

<210> 43026
<211> 373
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910067d04d1

<400> 43026

gggggggtga accaaattaa aattcaaaag taacttataa tgggccttac agaggaaaga 60
cagaaaattg gccagaagt ccccgaaatc aatggagttg ggtaaaacaa actattcaag 120
tttttaaagt ggtactatgg gtcaaggcct tcacaaaaat taaaacaatt aaaggaaaaa 180
tctcttttcc atgattggaa tccatcataa ttttcccaa tgaaaaacaa gaaaaagaaa 240
agtttcactt gaattaatac ctaaccaatc tcacattggc ttgaatattt ggccggtttt 300
tccattaagg ggaggggtgt atgaaaaagt tctgttctga tccataaaaa gacaaacttt 360
aaatcctccc aaa 373

<210> 43027
<211> 538
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910067d06d1

<400> 43027

agtattcaat ggttgacttc tttacattaa ctgttccaaa tatgtttaca gccttaaaat 60
tctaatagata gcttcaattt tttccaaaaa tgattgaata agattaagtt aagggtcaac 120
atctaacttt atgcgcatgg ccggaatcca tatttcattc tacaacttag gaaactcaag 180
atattttcct aatcaatcaa cattgtttcc ccattgttag tctgaattgt ggccttggtg 240
ctctgtaggc ttaagtgttt cttcatttcc tgagacctga caaactcctc aattcttgct 300
tttagctcat cgtcgggaat caacatatcc gcggtgaagat gagaacggtt gaatggatca 360
gtactatcac taagaagatg cctctgaatg acaggacgat caaccgtgat ccttgaagaa 420
ggcaagataa ctggatcctt catcaatgtg tattgaattg gatcaaggaa ttcattctggt 480
atctccccta gagtggcttc agtatccatg gcctctgaag cagcaacttt agcctttg 538

002220 ETTE560

<210> 43028
<211> 456
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910067d07d1

<400> 43028

ataaaacttc gttataaatt aaatgcaact taaaacatcc ctcagcagca aaggaaatgg 60
actaaaaccc tatagctgct tgtgaaattc gaaatatctc agactcttct taccatcaaa 120
acaaaaaaca gttctcatca aaaacaaaca gcaatgaaaa ttgaccaccg ccgatcaaga 180
acctagtttt gaaagttacg gctacatgaa atcggcagaa acttaaaaat ataacttaaa 240
caaaacacct aagactctgc aaggataaaa ctactataaa ggagtaacca cgatgatgat 300
cacatgtgct agcaaaattg cccaaatgca atcacttctt cttggcagcg gccttgggga 360
ccttggctcc ggtgggtctt tttttttcaa cacttttgaa gacttcgaca gccaccagtt 420
tgaggcatgt ccctcacagc aaaacgacca ggggga 456

<210> 43029
<211> 505
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910067d08d1

<400> 43029

atgatatgca tttgtctatt atttaaaagg tcaactgaag aatccaacg taatctccac 60
attttggcat agcagtcaag cccttataag ttacaattca aacttctcta cctcttcaac 120
cataataatt aaacttaacc aagcctccaa tgcaaaatga accaatattt cataccttca 180
ttcaaattca tctccttttt ccttgcagtg attctccagt ttcaggcctt ttctgtcact 240
atttacaaac atttgatgaa catccatggt taagttctct cttctattat ttacaatctc 300
tggccaggtt tttggtttaa ggggtgttatt gttatttacg aaagcccttg tttttgctgg 360
aatcaaacta tcaccccgct catttccttc attccacttt taaactcagc aatcgtttca 420
ccagatttat ttatgcaatc aggaaaaccc aaaatgcccc tgggggaaat ccttcccttt 480
tcaaaggaac tttgatgcaa aagtt 505

<210> 43030
 <211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910067d09d1

<400> 43030

gagaagtaaa gagagaagtt gattacgaat acaacatgat tcaaaaaaca ataaagatct 60
 cacacgtcca caataaaaca tagctagctg ggggccctta tacaataaaa catagcttgc 120
 tgggggcact tatacggata atgggcctat atatagcttc tttattggga accttcaatc 180
 acatgatttc ctaggggtata taaaactctt cctaattcat tcatattgag ctaaccagac 240
 ccttttttga ttcggatgcc acactaccta tatcaagttc cgcagatttc ttgttaacaa 300
 agttacattg ttttctgatt tctcctttct tcccagttag cacaccaata tttcccattt 360
 taatcatgga agccgaaaag ctcttaaaga aagctatttg gtcactactg aatttggtga 420
 caatgctgat ggtatcagca ccaggtgttg agaaacactc ttgatcactt tgaaacaacc 480
 ctttttaacc tgaagattgg agtagtagtt t 511

<210> 43031
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910067d10d1

<400> 43031

gagataaact tcgaatttca ttaattaggt taattaatta aactaaacaa agctaccata 60
 tctccacccc ttcataatag taataacaag aaagtaacta tgttacagaa attacagaaa 120
 gaaaaaaaaa aaaaaagaga tactagtctc atatccattt tcccttccca aatttacata 180
 agatcatcct agctagcttc ccctgctaga ttcattaacc cacgagaggg gcaaaaaggg 240
 aaaaagtaaa aagaaaattt tcagagaata tgagatgaga tagattctct gaaaattttt 300
 ttttctcttc tttctttatc acatgacttt ccacgactcg agagtgggga agctggagaa 360
 ggtgtcaaaa tctaaccctg cggaggcgaa ggaagcgtca aggaggggtt gggcgaaggg 420
 gagcgggccg ggcccataaa ggccggtggc aggcccagag ttaacagagg agggccccac 480
 cacctgctgg tgat 494

<210> 43032
 <211> 437
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910067d11d1

<400> 43032.

aacaagggga ccttccaaca attcatgtat caagttcgaa ttataattta cataattatt 60
 gcaagcgggg gataatagat aaagtagagt ttaaaatgca agaagccaag aggctcatga 120
 catgaaacgg ggaacagaga tgaaacttga aggaacacac aagtgaagtt gaagctcaag 180
 ggtaggtttc aaaggctggg acaggggcat aggaaccaat gaagacgttt ccataaatca 240
 agccagccaa acctttctcca attaatgggc caaccagta gatccagtta gcagccaagt 300
 ttccactgac cacagctggg cccaatgagc gagctgggtt cattgaaccg ccgctgaatg 360
 ggctgctgc taagatgttg gccccacaa cgaaccaat agcaatgggt gcaatgatac 420
 ccaatgaccc cttttttt 437

<210> 43033
 <211> 337
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910067d12d1

<400> 43033

gggataaggc ccgctataaa aaaacagggg aatcccttta tcatttgatg acaattgggt 60
 ttaatgctaa aaaagcctga tttgaattta tttttgaact attaggggta ccaggcattg 120
 aaaatgcatt ttggaaggaa actttgcttt ataacattct taacatatgg catcccgaag 180
 agggggacct ttggggcttg gacatgccca ctcgttttta tgggggccac aaataaaatg 240
 ttggccagga ctccgatcaa aaagatgccg acaaaaattc agtccaacaa tatgttatga 300
 aggggcctca aaactttaaa gttgggcaaa ccattta 337

<210> 43034
 <211> 506
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910067e05d1

<400> 43034

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agctgaaatt atttcattca tgtaatgtga agcattagtt tggacctcaa ttaatccttt 60
gcaaaagatt caaaggggta ccgttcagta gtctaataca gacagctata tccgaattta 120
cgaaaacata tcaagaagat gtatcctgaa attgatcggt tactagctaa aaacaaaaag 180
aaacaaacag gctaccaacc actcactttc tgcctggctc caaattcatc ttttgaagat 240
tcaacagcag atcatctgaa ttcaggtaaa ccttgtttgc cgcgtttgat atgggatgtg 300
caatctctcg agcagcttct atcttcctca atgtgataaa agctggattg ttggccatag 360
cctgtccaat tagttgggca ctttttgctt ctccctgtgc tctgattaca gcacttctct 420
tgttttgctc agctttttgt acaacaaatt tagccctttc agcttcttgt gcagctacct 480
gctttgcttc aattgcagaa ggaact 506

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<210> 43035

<211> 307

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910067e07d1

<400> 43035

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tgatggtaga ttgcagccac cgcagctcca acaaacgggc caaccagta aatccattgg 120
tcgtcccagg ctttgtcggt gttgaagatc acagctgggc cgaaactcct tgcaggggta 180
atgccggttt cagtgcacagg gaattgtgcc cagtgaactc atgaagacgg caaacccaat 240
gggaaggggg gctaacacag gaccatgaaa gtccttaccg ttctcttaag aaccaggggg 300
ggaaaaa 307

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<210> 43036

<211> 523

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910067e08d1

<400> 43036

aattaagcat tgctcctgaa ggatccaaga gctttgattg cagaacctct aagaatgtat 60
 tgatggtaga ttgcagccac cgcagctcca acaaacggtc caaccagta aatccattgg 120
 tcgtcccagg ctttgctggtt gttgaagatc acagctggtc cgaaactcct tgcaggggta 180
 atgccgggttc cagtgcagg gattgtagcc aagtgaacca tgaagacggc aaaccaatg 240
 ggaagtgggtg ctaacacagg aacatgagag tccctagcgt tcctcttagg atcagtggcg 300
 gagaaaacgg ttagacaag aacaaaggta ccaatgatct cagcacccaa agcggtagct 360
 ttgtttagtc catcgctgac agtggttaacc ccacctcgt acctgttgta gaacgatttc 420
 tggaaccctt tggccaaccc aacaccgcag attgcaccgg cacactgtgc tatcatgtac 480
 aacaacgccc tcaccaaaga cacctttgct tccaagaaca acc 523

<210> 43037
 <211> 520
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910067e09d1
 <400> 43037

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 ctttactga taaataacct ggaaacggaa caatagaatg acacatacaa attacaaaat 120
 actcgcatgt tatttagaat gtccagcaat acttatataa aaggacatgg acacgcattt 180
 gaatgacaaa tgaaacattg gacaaccctc cccacaaaaa agaaaaaaaa atgacgaatg 240
 aatgaaaac gtaggtgaaa actagcagga attcaagtaa ttattagtaa ttaacaagca 300
 gcaatggaat gcctcctgtg gcttaaaaga caccaatagc agaaggatac aaaggcttgg 360
 gctggtaaga aagaaagttg ggaacatacg tagtggttcg tttcttatga ggatccatgg 420
 aatctatggc tggttgaatc aaatagcat atttgctttt tgtccaccaa tccttgattc 480
 cgatgcgcac tttttggtcc ttagcaactg ttttgcaata 520

<210> 43038
 <211> 544
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910067f01d1

<400> 43038

gataatagaa acacttttat taagacttca aatcacggca ttcaagataa tacaatacgc 60
 tacactttta gaaagcctta tatctatata tatacactac aaagctttgc caagataaaa 120
 gtacactgca ggcaaatttt tcatacacgt ttagcatagt tcattctccc ccaattattc 180
 tttgtcacag ctttatatta tccctggatt gcaacaccaa gaggagcagc atccataggt 240
 ataatcttct caatttctac acccttggtg ttgttctggt tttcataggc tgaaatgtgc 300
 actccaagtg ctgctctacc agaaggatca aggttggttag accaagcagc atcccactca 360
 acagctttgg ctgtgctaca tgcaacactt gtcctccag gaacggtgag cctagctgag 420
 ttctgagga agaacctctc aaagatcatt ctgtagtaat atgcttcctt ggttggtggg 480
 gtggtgcgag ggtagatggt accagcatta agcatcattt tgtcagtcac atgttttgca 540
 gcat 544

<210> 43039

<211> 490

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910067f05d1

<400> 43039

ctaattgggg cttattactt acacgttgat gtacagtttt taattactaa cttaggccgt 60
 tatttacaca acgaattaag tttaacaatac aaaaaaaagg ctaaagaaaa tgaaaaatag 120
 aaaatggaaa caatttttgg agggtagttc cattacccat tatgccacag tacttgatct 180
 aatcactaaa gagtacacca attttcacct accctcccaa agagtctcct taaggatcgg 240
 tttaaaaaca tcttttggtg aataatagtc tacaccaccc atcatgctgg tacttccgga 300
 tgaattctgg taatttgtat ctgatacttt gatttcaatg ccagtcatga agctgctcac 360
 attctcaaat ttccagtcag ataggtatcc gggctttgaa gttacagtgc ttacttcaat 420
 atctcctgaa agcattgccca ccacacgtga cattgatggg cgtaatgttg gtgatgtctg 480
 agtgcacaaa 490

<210> 43040

<211> 447

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910067f08d1

<400> 43040

aaacaaaaac ccaggggggc aaatccattt gggaatatcc ccggggaaaa aagaggaatc 60
ttccaataaa ggggcttttg aagaaaaccc gaattccaat aggccgtacc ctaattttta 120
tggaagga cccgaaaccc taaacttaag ctttttcccc ttgattttg cgagcgagtt 180
gaatgccctt gggcataagg gaaactcgct taacgggaat agcgcaaagg ttagggctct 240
caaagagccc aacgagaaaa gcctccgggg tttcctgaaa agccaaaacg gggttttttt 300
gaaagcgga atcggttttg aaatcctgag cgatttcttt gacaagcctt tggaagggga 360
gttttcggat caaaagtctg gggctttttt gggcctttaa aatctccctc aaaaccccc 420
ttcctggcct gaaaggggtg gggtttt 447

<210> 43041
<211> 420
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910067f11d1

<400> 43041

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acattggaga tattatatat atatatatat atatatatat ataatcggac aatttttcat 120
tttgaagtc caaatataca gaaaaataaa aaacataaaa gcatttcaat aagaatatat 180
caactatgct cctgcttta tttgtttgct tgcactcttt tcttaataga ttttttcttc 240
ttctcttatt cacaccaatg aacaatgaga atttttctcc ctttgcaacta ggcaatctat 300
aaacaacttg tgtgttggcc aattattcct tggcagtgtt gtttctttgc cctgatgatg 360
ccattagcac agcaacagcc actataaaca taaacaacat actccctagc agtatatatg 420

<210> 43042
<211> 450
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910067f12d1

<400> 43042

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 aggaaaaatg ttatacacta cttcaaagtt caaacacatt acacttaag gagaaaagac 120
 gtgtgtttgt gtgtaaggag attcattaaa atagatagca gatgattaga tttagttagg 180
 agggattctt tttaacatat aaagaaaaca aactgcaaag aatgatgaaa aacaacactg 240
 aatgaatgta tatgcatgag tatatcaaca tatattggca acattttggg ttctggcatg 300
 aacataaaat gtcatatcgt aaatgagtag ataaaggatc aagattccat tttatgttgc 360
 aattccacag tgctagccaa attacatggc attatccgtg agtaataaaa ttgctgaaat 420
 taaggaggtt gggttgaggt agattagaaa 450

<210> 43043

<211> 434

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910067g02d1

<400> 43043

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 agttctatca gttacatctg aatccaaaaa aaagagaagg gaatttgaca aagaaatgaa 120
 aattagggta caaaattaac agaaggtaaa tgctaaagtg gagttcctgc tgactgacta 180
 atgtgatcag atgcctcgga aaccttaatg gtacaattct gctacaaccc ctctctttac 240
 ttctaacctt ttccagtttt ttttcaaccc ccaaacctc ttgttttttt ccattttctt 300
 tttggcttgg ccattgccat tacttcccat atacagatac aagaatgact acaatgtctg 360
 tgttcatgat ggattttttt ttactgtcag aaacttgat acctcctcgg ctcaatatat 420
 cacaacacga agca 434

<210> 43044

<211> 511

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910067g04d1

<400> 43044

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 gaatgcctca taaattatca atcatggcaa tgcaatagaa tatctttgga cgaagcgcac 180
 caaatttgca acgaggcagc actggtaaac cataattctg aaccagaaga agccttccac 240
 aagatttttt atactccagc gcagctgcgt ccataggaat ttgaaagaat tacattgctc 300
 cgatcattca gaccgtactg cagttcaatc ccttgattat attgcgatgc cacatcgcac 360
 tattaggatc aaatctcaat tcccacgtag gccagtaatg caaatcttgc ttcaatgtta 420
 ggactcgtgg cttcccattg aggtgaattg tctttacacg aacaaactcg ccatgttcta 480
 gttcctttgt cacattaacg aaagaatcta t 511

<210> 43045
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910067g06d1
 <400> 43045

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 tcttggaagt tataattatt acacgcagac acggttgctt agctcataca aagatactcc 120
 cctaattgag aatattttatt tcttcaatgg ataaataaac aaaacggcac cacgtttgat 180
 gaaaaagctc ccaggattcc accacataca atgccacat ataccgatca ctgactagtt 240
 acatcaaag aaagaatcaa tacagggtcca aagctatata actcctcggt cttattaatg 300
 tgattttaga gcatatcatt cctcatcatc cagccacgag aacgagaaag ggtggaactt 360
 gtacccatcg ccttcataaa acttggtttg aaactccacc cagtgaagac gtaacgcatg 420
 caaaaaggca ctgtgagttt ccatgacaag taacactccg acggtagcaa aaatgaagac 480
 atgagacca ctataagata taacatta 508

<210> 43046
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910067g08d1

0053113.032200

<400> 43046

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aatcatttta gttcatgggg atacctataa taaagggcat tatgtcaaaa accgattaca 120
aatacgaaaa gaatatccct caaattatcc tagggcacia accataccct aaatatcaaa 180
cccccgaaa acaggggacta aacttctact cgttccatat tggatgacat atccgatttt 240
gtttctcagt acccacggct ttaaaaccgc tggacttgt gacctgggtt atcgctctct 300
ggaaccaatt tttgtcatct tgttgactat aattccataa aattgogccc ctttctatt 360
atgccccctt caccttgtec tgaaaggact gtacttcaat tccaaattcc tgttgtagg 420

<210> 43047

<211> 550

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910067g09d1

<400> 43047

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ataactatth accctctaag tctaataggg cctctttaga ataaaagaat ataaaaaaat 180
caaataatta ttacaaaaat ataaccattg gataaaagaa tttcataata ttatttagta 240
gagctataaa gtcttgtttc tttcttgaga aaatthttga accactgtgc agagagcttc 300
tcatatctct tcaaattatt tttgtaatcc acaaaaatca ttccaaaacg tgatgtatag 360
cctgaagacc actcaaaatt gtogaacaaa gaccacacat aatatccctt cacatttacg 420
ccattcttaa ttgcagattg aagataaaag agatgacgat aatgataatc aattctgaag 480
gtatccataa gagattcttc aagtgataat gttggttcat tatactcatt tataccattt 540
tcagtgatgt 550

<210> 43048

<211> 438

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910067g11d1

<400> 43048

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 caccatacct ttgactatga taataactct tccccctttc ggcagagcgg cgtaaagctc 120
 tttctaaca accattcttt cacctgttat taccaacaga acaccttcac aaacacattc 180
 tgtattaagc atatagagct atctttttta taagatatcc atgatggata aaaacccaaa 240
 atttctacac ccaaaacctg aaagtcta atccataggctg ctgttttggt acaaccaagg 300
 gacttgtgac agtgtgtctc ccatacatc aaactatgga gcctctcttt acactagaac 360
 ctccaggaga tagtcaaca ccctaactct gtaccctaca agaaagttca actgctgtcc 420
 caccctcctg aaattgaa 438

<210> 43049

<211> 353

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910067h02d1

<400> 43049

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 aagaatatag taagcttgcg agatgcatac acaaggcggg ttacacaggct cacacactta 120
 ttgttgaata tgtgacagcc aaaagctttg aaagggcacc aatatgaaat gcccgatgag 180
 gagaccctc tataaaatac ctagtggggc ctggccgacg gatttgaaag gaaccaggg 240
 cttagacatc ccggggagga gggaacctta tccagattgt gccaacgaa cccatcaatt 300
 tggaacagga tgaccatgaa cgatgcaatg ctgttgcttg aacgacacat acc 353

<210> 43050

<211> 457

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910067h04d1

<400> 43050

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atccaaaatg tgtgagccag aagcaatgaa tgatcaccaa aatgtcatgc cctctgatga 180
 agcgccacta taatatacag aattggcctt ggcagacgga ttaaaaagca acttaatgct 240
 taaaaatcct ggggatgaag gaacattatc cagctcatgt caactcaagc tttttctttg 300
 gaagatgatg atagtaaagc atttaatggt gctgcttgaa tgacagcact tggacttggt 360
 tctctcacac gggaagaagt ggctcctcta aggccaaaat tcttctccac attgcttctt 420
 ttttgcgtg aagaacaaga aaggaatctt actaacc 457

<210> 43051
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910067h05d1
 <400> 43051

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 caaataataa tttacactta acaataactaa tacatgactt acccgtaaa atctgagtcc 120
 aagaaatata taaataatga acaataggca aagtcttcaa cggagagaca aataacacaa 180
 cgaaccaacg ggattagttt tcttaagaga aactaactaa taactaccgt cctgacgtgg 240
 agaacgatgg tgcacagcct ggtgaccttg acggctggcg gcatgagtag aacggaattt 300
 aggctccaca ggtttctcat tggcagcttg aatgcgctcc aaattctcca aaacttcctt 360
 cattgatggc cgctgtttgg gctcagatgc aagacatttc aaagaaagct tggctatacg 420
 aaatgcagct ttggatggaa attttccttc caatc 455

<210> 43052
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910067h06d1
 <400> 43052

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 gaatatggaa agacaccccc ctacaacata aaaaagcttc tttcttcgta taaaaggctc 120
 ccaaatatgt ctagtggccc caagctctgc gagaaaatca cattgcagta gcacatattg 180

tccttgataa ttaataataa attcctactt cttcataaaa atgcaataaa taaggcatgg 240
gctacgttgg ctacattggc taccaaaacc aagggggaaa ttaccatgta tataaataaa 300
atcaaccatt gaactatata taagtgtccc tataggcaga aacactcttc tcaatgcaat 360
tcaataccat acaagtttaa cttgccacgg gctttgcaat gactttctta acggcttcag 420
cataagtcct gtgctgatag gtgagagttg attcaagcag gtcccaaagt gaggtttta 479

<210> 43053
<211> 507
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910067h07d1

<400> 43053

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cacaaaaaca taatcctata tagcaciaac tgtttctttg tagagaatac aaaatgctgc 120
aaagtttaca acatcaaaca cagaaaagac atccaaagct gttgaaaaat acaagagatg 180
actctcctct gaaatattga gaagttcact ttgtttttta aacttctcaa caacactgtt 240
tcactgtctg gcttgatatca ctactgtat ataagtcgga aagcggacaa gaaagaggat 300
gacctctgcc ttttgctttt tcactccttg ctgctccggc ccttccatct tatataatct 360
acctattttg atctaacctt ctgaactgca aaatccacaa gggaatgaaa agatttgcca 420
tcaaatttta gaaggaaaaa cgtcaagacc ctctcctaac tgcacatttg tatggctaca 480
ccattttacc ccaccaagca gaaaacc 507

<210> 43054
<211> 357
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910067h08d1

<400> 43054

ggccgcccgg aattaaataa aaaaggggga aaacacaaaa aaaggtcaaa aaacccaaaa 60
aaaaacccta aaaaagaaac ggggggggga aaaccccaaa aaaaaaacgt taaggggaaa 120
aaaaaccccg ggaaaaaat tttggcccca aaaaaaaaaa aacccccctt ttttaaaaag 180

gggggaccca cccccctgg ccctaaataa aaaaaaaga gggggccaag ggaaaccccc 240
 cggggtcaaa aaaagggcga cccctttaa aagagcaagc ccccccggg ggggggggga 300
 acaccggggg gggggggggg gaaatttttt ttgggggggg ggggggtttt cccccc 357

<210> 43055
 <211> 563
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910067h09d1

<400> 43055
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 taaataaaac agcacaagca ttattaacgt gtccgtttta catggctaca gccataatgc 120
 acaagaaatg acttaaaatg aagcaaggtc ttgtggtgag tctcgcatcc ttcttctggt 180
 tacagccaca tacaagttta agctcttta ataaatgaaa ggatggagca ttttaaacc 240
 ttgtcagact ggtgtgttgc ttaaaatttc atccatgtag tctccacttc ggattggagt 300
 gaatcttga ggacatgatt cgctacaaca acttttgagg cattccacca cacagtctgg 360
 atgagggtct aagaagaatg ccatcgaata gcgttctttt ccagttcgtt taaccgggtg 420
 cattgttgac cgttataaac aattagtcca cctctccatc aagtctccga tgttcacaat 480
 aaaggccnc tccatgtaag gcacatcctt ccagaccgt ggttccttta acttgtcccg 540
 acagatctgt agtcctggga etc 563

<210> 43056
 <211> 405
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910067h10d1

<400> 43056
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 tgccaacccc aaaaatggg gggggggggg gaaagaaaat tccctttttt ttggggggg 120
 gcagcaaatt caaaattacc attgaaatg aaccctgaca gataggaact tccccaactt 180

gggaaccccc cccacatttt ttttactccc gattccgggg gaagaccaag aaagaaagaa 240
aacgcccata ttttcggcta tctttcttgg gaacaacaaa atgaaggggc cgactctttt 300
tccataaaaag ggaagccttt gcctttccaa ggacaattgg aggaagaact ctatggccct 360
cttcatattc cttgaggagg aaaataaaac cttgattcat cacat 405

<210> 43057
<211> 465
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910067h11d1
<400> 43057

acagtgaatc aatttttcaa attccaagtc agcatttaca taaagaaagg caatataaca 60
aatgttatag aatattctat agcagaagag gacttcatat aactataacc tgtcataaga 120
tccaatctca tatcagaaaa agtcaaata cgacctttta gagactcttg tgactcaatt 180
ttggatgaaa cgaaaccccc tattcttatt agttaacctg cacacttaca cagatgggaa 240
atatttggtg aggttgaaag gcaatgaata aaactcttca cttcttgtgt cagactggaa 300
ggaacgggtc ttgtcccacc aatgctttcc tttatgttta cgaatagcag cttccttctt 360
atgtagtgtg ctgtccaaga aagatgccac acaaccgca acaaaggctt ttgattggaa 420
cgggacattg attatatcat tgaaccatct tgctttggtg tgaac 465

<210> 43058
<211> 393
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910067h12d1
<400> 43058

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agtttttggg ggaaaccagt ggggaaggac acccttccaa ttaatttacc attgccccaa 120
attgcgaggg aaaaaaaga gtctgaaaaa ggggttttcc ccatttcccc cccccagctg 180
tctgtggatt tcccaaattt aagatttttt aacattgggg gaggggcaa ataccttttg 240
ggttttccaa aaaaaaaaaat ccctgtgtt gattaggcca gaaggcttcc caggcacagt 300

cttgaatggg atctgggcaa caaatTTTT ctttccgggg gaaccttttg atattggggg 360

gtgggccttt gttgtcacca aattaccctt ttg 393

<210> 43059

<211> 494

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910068a02d1

<400> 43059

aaaagttaca gttttttttt aattattatt aaattctaaa ggaaataaga tcgaatagga 60

ggtccattga actgttttca tatttgtctt caaagcaaata aacacgcaat gttctgaaat 120

ccataatccc acatcacata gtaaaacata agaacagatc agaaatacca caatcacata 180

cacaactccg attatctatc tattatgcct aacacatagt caggcagata aggcttgcca 240

cttgagactc caatcgctca gaaaccatga atcttgatat gatccttctt cacgatacca 300

gcctgtacta ggaaagtaga aacattcttc ctctgatcac cttgaagttg aataacctgt 360

cctagatctg ggtcctgaac aactgttcca ttgcaacaga actctttctt aacgtcttta 420

agtatcttgt tatagctgaa ttcttttttc aatccctgaa cggttgtcag gcttttctta 480

ccatttcgct ggtg 494

<210> 43060

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910068a03d1

<400> 43060

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aaaaaaaaat attacatctc atttagttga gagcttaaac taataataat aattagttaa 120

agaggtgaaa gaagtttcta gagtgatgca gggcaggcca tgagcatgag tgactgggaa 180

ttgagactac agagttgatc caaagaatgc attgcatgca gctcaaactc aaaattaaaa 240

tcaaaatatt actaataatt gttataatta gacctagttg aagaacattc aagtgttaag 300

tgtgatcctc tttctaggtt aagcatttct gttattatag gaatctatca accactaacc 360

aatccgatat tcccacaaga gtatatggtg tgattctatc cgattgggta aggtcgctta 420
 acaaccaaag gattgaaggg gtacacaaac aagcatatat atatgtgagt ggctaaacca 480
 aacggagtaa cat 493

<210> 43061
 <211> 545
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910068b02d1
 <400> 43061

catcaacatg aattgtctca ttcattctac tttcaatggg atcagtcaca acacatacaa 60
 atctttcatg atttttagatg cacaaacaga ccattatgga caaatataga tttgttcatg 120
 acacaaatct ttcactatac agttaaaagc acaccactcg gaatcatgtc attcgtaaca 180
 ctttattcaa atgtatgctg atatagatgc ataccgtata tcctattata aaaagcaaca 240
 ccactcgact atatagtagt taggtgacac attttccctc ggaaacttgg aactgaggaa 300
 cgtgatgctc agaactccct ttctggaaac atgataggag ctacgagaga ccacaagtac 360
 agcagagcag ttgcccagga agtgatgatt cgaaccaca cagaaggcca cccacagtga 420
 accaacttac cggtcctcca acagatgtag accaaccagt cagaagcatt gcagaatata 480
 tgctagcaag agagaaattc aagtggagaa ggcatatgaa tatgtaactg gctttgtttt 540
 ttctt 545

<210> 43062
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910068c01d1
 <400> 43062

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 acattatcat ttttgtaatc atacatctaa tacaattcat gaatcaatct ataaactaga 120
 acttaatgta tgaaaactaa gaccacaaaa aattatgcat attgtatctt caggagcctc 180
 gagccatgta tgaacttcct caaacttccc ctttaaactt ggcttcatac aactctggtt 240

gcatgaagac agctgaaatt aacctgctg caaaccatct catgtgcatt gcacgttgag 300
 caccacttgc cgcttccact gtatcaaacc gcaaatacac aaaacctgaa ctttttttgt 360
 caacaaaaat atgcttcacc cggccatatt tagaacactc ttctcttaca tctcttttaa 420
 tgtctatatc aaaatcaggt tccgtctcag tgctcgggtc gaacatatc tttaaaaagt 480
 aacagtcgct ggggtttcct acaggttcta ct 512

<210> 43063
 <211> 449
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910068c02d1

<400> 43063
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 taatcaccaa cccgaaatgt atgggaaata tgtacaacag gagctgggaa tcactaacca 120
 tcacaagaaa atgatggata tatctatcaa cgaacactac taatcaaaaa agttccaaca 180
 agaaagtttg aaaaaacgaa actagagaat aatatgttgc aacttcaagc cgaagacaca 240
 agcaaagcta accgaaaaac accgtcccg tgaataaact cagtccagag taaaatgact 300
 ctaataaccc tgctctgctg cctatggctc tgtggatgaa aaaaaaatc aaaatctcaa 360
 ttcgtttacc tcatggacat aaatgtgcga acccgatttt ccctgtctgt tctcttcgcg 420
 ctcgagggtc tcttcagctt gatcagttc 449

<210> 43064
 <211> 447
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910068c03d1

<400> 43064
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 cgcgcaagaa attatcctta tttttggggc acctaagaag atcttttgct agggggaaaa 120
 aaatcatata taagctatac aagaagaaat gaatcattgc attacagatg tgaaatcagt 180
 gatgctaaca gagcctgagg gagagagaaa aacttaatta cgaacgcccc ggtttctcta 240

aaatacttac aatcatacag ttgctgagcg gacaggggaag aggaagatat cttcagggtg 300
 gctggtaaat aacacaactg gtgcgaacta caccattgct aaactttgcg gaggatagca 360
 gaattgcagg tatcttcgat atggttatca atgtcagctg ctactacttg tgtaactata 420
 catgcgctctt aaaaacacca tacacca 447

<210> 43065
 <211> 442
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910068c04d1

<400> 43065
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 atttagggag aacttaatag ttatagcatc cacatcctag acgcaatttc ttattttctca 120
 actgtttttt caaacacgta taatgggtgat caaaatagag gtttccttcc atttagcatc 180
 cccaacaatt gatcaataac ttgctccca tcatcacgca agccagaatg catgaactca 240
 ttagttatcc atggcctaata cctgtctatt tgagaagctg tttccatggc cagcttaaaa 300
 ttcacgtaca agtcttcata gtacacagct gccgcaacaa gtaccttggt gatattcaga 360
 acctgaacat catatagtgg aggccagtcc ttcttctctg ccaatatatg agctgcctct 420
 ttgaaaggct tcaatgcatg aa 442

<210> 43066
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910068d01d1

<400> 43066
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 gtgaatcaga actcaaatta ttggcaaggc ctttatcata ccaagactaa tgttccaact 120
 atcaacttat atatcacacc aaaaaccgcg catccaaatc tcaatgctca aactcgtgtg 180
 gatctccagg ttttttccac ttgaaaactt tagtaggggt caacgggggt acggaagtta 240
 gctccggcgt aactgcttc agcaccaagc tcctcctcaa ttctcaagag ctgggttatat 300

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ttagcaagac gctcagacct gcatggagct ccagtcttaa tttgaccgt agccaaacca 360

acagaaaggt cagcaatgaa ggtatcctca gtctctccac ttctgtgact ggccatgaca 420

ccccatccag cttttttgga catcctgaca gcttcaatac tctcagtcac agaaccaatt 480

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<210> 43067

<211> 559

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910068d02d1

<400> 43067

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aggtccttcc aaaaagagaa aaaataaaat acccttgtgg gtatttctcc ttaaatttac 180

atagacacaa agacacgcag acacaataat agggccatcc aaccagacgc ccacaccttt 240

tgtaattggt agccaactca ctacttcaac catttagcag ccgccagcct tcgtgctttt 300

acaaagccat aacaaccaac catatgtaga aacttaatta tttataggca atcatctagg 360

tggtggcgaa tgggagatcn aaggtggacg ccttatctcg gtccacatca tccttcacct 420

gatctacgag gattccccta tcttgtcaga aattttcttt atggaagtac gacttggtgg 480

atgtgctgtg agagaaatcc aatgctagct gacgaagctc atgggtgagg gctgatggcc 540

cacacaaaaa tacccaac 559

<210> 43068

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910068d04d1

<400> 43068

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ttcttgacac tgcaataagc agatcgcatc tcacattatc caaggaacac atctagttgt 120

agcactcgaa gcacactaat ataatggaaa tggctggcta gctagtttta cttggggcaa 180

0953113.032200

ccaggccatt ggacatccgg gggagaaagt gttttaagaa ccggattcct ctccaagaaa 240
ttggttggcc tgagctcgaa tgcagtgtc aataatggca ttatggggaa gtcttcctgt 300
gctggaacat gatgaattcc cacaacgtgc cacagcacia tgccttggt gttaatgtct 360
ctattctttt tgggtcaaac ggctaaagta tcattccat ggctgtgatc aacgtagagt 420
ccaccagccc acttctcagt cctattggat ggagtgaacc acacattgaa attggtaaaa 480
gcgccacgta ttt 493

<210> 43069
<211> 518
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910068e02d1

<400> 43069

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caatcaacag ccagtagcct agtaacttct tcccagtat gtccacttg ttgcaggctt 180
tctgatgca aagcacttgg tgccttctgg gagttctggc tgatcaaagg gactgcaaag 240
agtcttagct gtccecatct cacccttctg cctcgcttg acatcagcct caacctctc 300
ctcgtcacac caaggagcta agatcatttt tctttggttc aaagcttgca caaattcatc 360
ccaagtgtgt atgatctgaa tgcattcatc tcgtttttgt tttgcaacat caaacagggt 420
cttgtgaata gtatcgagca acttttttat ttccacaacc aaatcaacac tagcaatgtc 480
tatctttgca ccattataac gtcgaacagc gcgaacct 518

<210> 43070
<211> 477
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910068e03d1

<400> 43070

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gaatgatata acttacagct gacctggaaa gacaacaaag caatgaatcg agagatcctt 120

aaaaacacag aaaaaagtct tccctaggta atatataaag tgtctcaaca tgttttagcag 180
 cgcatggtct ctacattaaa attacataga gcacagattg cccttgtata aattcctact 240
 tctccatgtg ggggctatat tgcctacagg ctaacgaaac caatgggagg aaaatttacg 300
 attttatata aaatcaacca gtataaatatg gcagaacact tgggcaagac aagaacaccc 360
 ttctaaaggt agcacatcac catcactgta aaaagcttaa cttgcaacgg gttttgcaat 420
 gactttctta acggcttcag catatgtcct gtgctgatat gtcagagtgg actcaag 477

<210> 43071
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910068e04d1
 <400> 43071

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 aaaatgatga atacctgtgc aataatgcag tgattaaaat atctcttgtc cattcgagac 120
 ttgtcattat caaatattac ctcatcat aacaaagact gttcaaaagg aaacataaaa 180
 caactatddd gacaaattgg aaaggagatc taattattca tcaaactcgt gcatgtgatc 240
 taaaaggtag ttggcagcca gctcctcatt tttgttaca gcgaagtaca cctccaatac 300
 agttgcacga tcaaattcca ttgcttcgag acgttcaatt gcttgccgtt cctcaggggt 360
 gactgtcact gcttgcgga tggcactagc tagctgtccc agtatatatc cctcaccccc 420
 ttaacgggtt cattaattag gcgaaggaag tcaacttgat gctcttgaat caatcgata 480
 agatgaggat tt 492

<210> 43072
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910068f01d1
 <400> 43072

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 tacatacaaa gcaactgcga tggcaagaca ctactattgt atatgatgat tatcttaatt 120

cagaaaggag tttagatgca acgccgatcc ttgcaagtgg aacacaaaaca acactatgtg 180
 cccttggaac tgtgaggcca gctctctctt ccatgctaac ttgagcatta tcacctttca 240
 atatttctcc ttgagggccc accacttgcc ggacaaagca ttgtatgaga gatgcaagaa 300
 gtgttgccat ttctgtagta ggcatattgt caccagggca cattcttctt ccagacccaa 360
 atgggaagag ttagaaatgc tggccccta 389

<210> 43073
 <211> 467
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910068f02d1

<400> 43073

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 ggagtgtaat gtatgctctt tctacaaacc cagggtgggg caaatcatgg tttagacgct 180
 atcatgataa gaggaagaag acgagaagga ggatgagatc ttttcaagaa cttgttacgc 240
 ctctttcatt ggagggtctt gctggggaat gctaaagaca caactatacc ctagctagaa 300
 gtatggcaac aagggtctgt acctacccta catgtcaggc cgtataacca tatcaaccat 360
 gcgcaaggcc cgggtcttat gctgcagcaa aagcccggga ccctggccca tatgatccaa 420
 aaccacaatc tgtcctgttt gctactcaag aaacattacc ccaaaag 467

<210> 43074
 <211> 461
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910068f03d1

<400> 43074

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 gctagacact agcagaaaca caaagtaaatt ggtcttgcac ccatctatgc agtgtccatg 120
 ttcagtttta agtaaacatt atcactagag tttcaciaag ctaatgaaga tgcaaatttt 180
 tcttacactt gtttgccaaa tgacaaggca caagctaaag gggtaacatt agggggggaga 240

aaaaatgaat ttttaataaaa ttttaagcca aaaatattat acataacaac agtggccaac 300
 atgtacccaaa tcttgcgtag ccaccacctt aaacttggcc ttagggcata acacagtcac 360
 tgcaaaacag cataacaatt ggcagttcta ggcttctagt cagctgtata aattatgaga 420
 acatccggag gaagttgttt gcatatgcc taggtttgac a 461

<210> 43075
 <211> 493
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910068g02d1

<400> 43075
 agaggataac aggaaatgtc ttgcgacttt gaaaatgggg gtactacaaa ccatctaaga 60
 agcctcagtc tcaggccaaa tacacaaata aatatataca tgacaaacag gcagaaagga 120
 acatgaagcc agttgacagt agaataagacc tacctaattg tgacaaactt gttggtgcc 180
 tgttttgccc aataagtcct caaatcaatc ggattagaaa agatataacc ctcagctgca 240
 aggtactcta acactttctt aaatgctcct atactcattt tactgccagc taccctagca 300
 ccacgccgtt tgggtactcat aggcaaagga tacactgaca tccctgtcgt gcaacatgca 360
 gactggcaac cggcagagcc ccatttataa cactgatggt gcaactgcaac gcatgaacaa 420
 acaggaactg gaatactaaa aatatccata ttaatgtcgt ctattacaat atcagtagat 480
 ttttttgga ccc 493

<210> 43076
 <211> 382
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910068g03d1

<400> 43076
 gaaacaaatc ttttatcata aaataaggta agacatcaag ggggtgttgac acgaaattga 60
 ccaaaaatac ggcttactca acttcaaaaa gtatccaaaa ttttggacct agaaaataaa 120
 cagcacatgt aaataaaatg attgactgaa cgcaaaataa gagagtttta gttgcgcaac 180
 gatgacatgg aatctgccat gaactttcac tcatcatctt catcattatc agcagcagag 240

ttgatagccg ccacacgagc aatcaactta gccttctgt cctgataagt gagtttactt 300
 agattgtacc ttttgtgttc cttcgggggc tgcttctcag atttcttgag agaaggatca 360
 gcacggatgg caatatgaac ct 382

<210> 43077
 <211> 428
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910068h01d1

<400> 43077

ataaaatatt tatatcattc aaatgtttga attggtgcag gaaaattaat ttccttatct 60
 aatgacttgg tatctctgca atctcatata aggattctgt cacatataag accttggtaa 120
 tttccaactt gtaaagtac cagaacagaa catttcatac tgcagtgcac ggtatatata 180
 cacaatgcc ctcgtgccct ctaaaaggaa cataaaatga aagctatcca tggatgatga 240
 acaacttta ttaattacc aatcagcact tcaacccgc gagctttttg ttgatcatct 300
 ctctcggggc aaagctatcc acaattgttt gtgtctcgat ggctgaaact tctttgatgg 360
 actcgagaat tgacattggg ttgctaattg caacttgga ttttaattac acaaggctct 420
 aatttata 428

<210> 43078
 <211> 430
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910068h02d1

<400> 43078

aaagaaccca ccacactata tgggtgatct tttacaact ccacactata ttagttatca 60
 gaaaaggcaa tgaatactcc ataccgataa cataatatat ataaaatgga aaaacttata 120
 ccatatttaa acaacaaatt actctctaca ttaccaaata caaatggaaa gaacaagaac 180
 aaaaacaaga gtttgattgt aagaaaaaaa aatgaacag tttattactg cacaccata 240
 acccctcgct agtcggtgct atatattata ttgcacaagg caataaaaca tgaacaaaaa 300
 tcataattct ctgaggggat aggattccta atttaacttc ctaatttttg agcatcacia 360

gtactatata taaactatatt gcaggccttt aagcacaagt aaactgggttc accaatatta 420
gctccttgac 430

<210> 43079
<211> 430
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910068h03d1

<400> 43079

ggaaagggag aacacggggtt attatatgaa aaccgagagc atccaaatac aatagggcag 60
aagttcaggc aataattacc catagacatg cataaagtct atgttattca gaagtccaac 120
atagataagg aaaccacaaa ctcttttttaa ttaaatagag atactgggtgg gaattccttt 180
gaaagtaaac ccttcctcac ttgaacgatg gagcaaagtg tatgggagct gaactggccc 240
agccccggttt ctcagacttg gatcactgcg cttgaagtg atttttcctt caattccagg 300
caggttgctt ccaaaccctt tgaaagcttc taaggccttc ttatcagtag accaatttgg 360
agtctccctc tctccaaggt atagtctatc agaagcatgc cttgacaata tctctatcac 420
tgaaagatca 430

<210> 43080
<211> 440
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910068h04d1

<400> 43080

aagagaaata catcaaagtt accatattat tatttcacag ggtgtgctaa ttcttagaaa 60
caaggttacc attttttatc taaatcgggc accagcagaa agaccctaca ctacagtgga 120
acatggtaca gaaatccaaa agttgcatcg aaacaacat gaaggaaaat aatgaagcta 180
ttcccagatt cgcacctaca tgaagccatt gtcagtggca cagcccctaa acatgccatt 240
gcaattgaaa ccataagcca cttccccagc gttggacaca gggatgagac cagccatcct 300
ttcatcgaga cgggtgcttga tcacaaaatc cacggcttct tgaagcttca agcctttgta 360
taccatcaga gatgccacct cagcgccag cgcgccaagt atgatggcct cgtcttcacc 420

cgtgcacgat acgccgcaca

440

<210> 43081
<211> 461
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910069a08d1

<400> 43081

ggaagatatg ccttttaagc aagcaatcat ttgttatgga tttgataaca gttcaaataa 60
aatgtacagt gtcccccccc cctccccgga tatactaac tagtagtgag aaaacaaaca 120
acggtttgta tcacaggtgt tgctgcatgt gcaaactcaa tcagtagtac atttataaca 180
acgcaataat aagaggaaaa aggaaggaaa ctttttcttt cttcctttcc tttatgcttt 240
tctctgctc atttttttta aaggattctt tgggtttttt ccaattgggt ttaatctctt 300
ttggttgtag tagtgtgttt gatattaaca catgacaccc ctgcggcatt taagaacacc 360
agctccagat gtgatgggtc caaccaaaga agatgattta gccccaaac ttgaggctct 420
ggcatagctt gctgcagcta ctgctcctga tgaagtaaaa a 461

<210> 43082
<211> 386
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910069a09d1

<400> 43082

attggttaac agatttataa tttttttttt gggtttctgt ttgataaagt actacatcgt 60
tattctatac ttgaattgaa atttggtttt tacagcatgg tttgctttac gattgaataa 120
ttattgatat taccacgat cgagagtaat aattaacctt aatcgtcac ctttatctcc 180
gacccacgc catgcagcca ttgatctctg ttctctcttt cgtaactcta tcttctgcac 240
agggtttcat tttctacctt caagcagcct ctgttgcaa gtggcaacct ttttttacia 300
cttttacctc aatgagctgt gttcaacaca accgtgcaac atattaaaca aaaatttctg 360
aaagcggttt ccaattttcc catgtt 386

09531113 032200

<210> 43083
<211> 606
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910069a11d1

<400> 43083

ceggcgggccc gcccccccttt tttattttatt ttatttttatt tatattttat tttttattctc 60
ttttctatat ttctattctt ttacctcaat ttgggtttgc ttgatttttt ttttcacttc 120
tccatatctt tcaatattca caaaatttct ataaacttca cattttttgcg tagctcacat 180
cttttctcac acaaaccoca aaaaaaaggc accccaccca aaaaaaaaaa acccacatgc 240
aaaaaaaaaa caacacaaaa aaagatagcc ccaaaaaaac aaaaaaaaaa aacaaacccc 300
caagggggggg ccaaacaaaa caaaaagaaa cgacgcccac caaaaaaaaaa aacccccgcc 360
aaaaaaaaaa aaacccccccc gccaaaagac tctctcgaaa gagaaaaccc ccaaggaaac 420
aaaaaaaaaa aattctcttc agggggggggc aaaacaaaac ctaactgggg gagaaacaaa 480
aacacttcaa aaacccccccc aggggaaccc aaaccacccg tgggggaaca cccccctgca 540
aaagcacacg caaaaaaaaaa aagaaggggc cacaccccca agacccccca caaaaaagaa 600
gaaggc 606

<210> 43084
<211> 465
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910069b10d1

<400> 43084

aaaagaaaac acatatcaac gtttattaca caatccattc agaaaaacaa aaaagaacac 60
cctgagcaaa aggacccaat acaattatat ctctgagcc aattccacta cttcttccac 120
cacagacgcc atagaagatc ttctcttatt tgcaacaaag cacttatcac gaatctcccc 180
tttcccaata cgatccgta tcaatcttag ctggctcacc ttcacaaaag catcggaana 240
tttcttaaaa aacagtttct ggtctgaagc gaactggttc acgatttcct tggttttggg 300
gctgcccgcg atgtcctggt cagaagtga cactccttgg cggttcaaga ggttgatgta 360
atacatgttg tcgaacttca cgggggttct cacgtccaaa ttaacggtgt tgggggactc 420

ggcattggga cacgtagcta tcaaattggt gttggaagtt tgggt

465

<210> 43085
<211> 511
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910069b11d1

<400> 43085

gataataatt taacttttaa gagaacttca tgatcatcaa ccatccaagg atttaagacg 60
aaaggaacaa gtacaaccct cgaaagtga ttaggaagaa aacacaagga aggaaaacca 120
tacacagaag aagattccag agaaattcaa taatacacia tttttttttt tttattttca 180
tttccccccc tctagtagtc agtggtggga agctgctcgt ggggtgtggct gataaagaca 240
acctcgtaaa caaggccagc gattccacca ccgatgagag gcccggccca gtagatccag 300
tggttggtcc aggtccagct cagcagagca ggcccaaagc tcacagcggg gttcatggcc 360
gctccagaga aggccccacc caacaaaatg ttagcgccga caatgaaacc aatggcgatg 420
ggagcaataa ttcccaaatt acccttcttg gggccaatgg cagttgcgta aaccgtgtac 480
accagaccga aggtcatcac gatctccaac a 511

<210> 43086
<211> 492
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910069c08d1

<400> 43086

actccaatga acatgacaat ttcatatatt attattatac ttggcaatca gcattttcttt 60
gttcaagact gataataacc attaaattat tgtcattgta acaatcggaa aacgagggaa 120
aggaatagaa gaaaacaatg aacaaccctt gccagttagt tgcaccaacc aacaaggcac 180
caaccatagt accaatcaaa aggtaaaaag agagagagac caaatcctac taagaaaagc 240
ataactgttc ctttccatcc aaaggagaa aacatgcagg ttttgctcat ggcttcaca 300
gaatggttgt gtctgcaatc atggaagtaa ccacgtatgg gtccatgttg gaagctggcc 360
ttctgtcctc aaaatatccc ttccctgctt tctctgtgtc tctcccaacc ctaacagaag 420

ctccacggtt tgcaactccc catagaaggt gttgatgtca gcggtttcgt ggcgtcctgt 480
 caaacgacgt tc 492

<210> 43087
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910069c11d1

<400> 43087

atgccccaaa aaagaggacg ttctttttta tgggatagat tgatcacaat tacatcacac 60
 gcatggccat cttccaactt aaaagtagag gaaacctggc cccttaggca acaacacacg 120
 cgcaccacca taatcatact cataatatta cattacatta cataatttac atacaaaata 180
 gaaggtttta taataaaaaa agaaagaaaa ataaggagaa aagaaaacag atgacgatat 240
 atcataaaat aaaaccagaa acttgcttgg ttgggtctt ttaatttacc caacttgatt 300
 gaccacgaat cgttgtaatc caattaatta actggatttg aagggaatgg ctctgattac 360
 aacttggtgg taaagagccg caagagctgc accaacgaaa ggtccaaccc agaagatcca 420
 gtgatcatcc caaccaaggt cttttgtgaa gatgatggca gcaccgagac ttcgtgca 478

<210> 43088
 <211> 407
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910069c12d1

<400> 43088

gaacgttcta tgttcttggg atcataataa ttccgtgagc gacaaccctt tgtcacttac 60
 aaaaaacatg caccaagatt aaacttatga caacgtcaa ctatcatgta atgaagtatt 120
 aaacttcaat ctcaaggctt caggggatc acttaggaca acttacaaaa ataatagaaa 180
 aaataaccga cacttgtttc aagtaaaacc cggaattttt cctgggattg gagctaacac 240
 attattgcta aaatttttct cgtcataaaa agagggacgc accactctac ccccaaagaa 300
 ccgaccatca aagacgacaa gcgctctatt tgtttcttta gatctctcaa actgcacaaa 360
 gattcttact gctttatgaa cggggaaaaa tggctctgtt atttcaa 407

<210> 43089
 <211> 476
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910069d07d1

<400> 43089

aagcggtcac aaaaattgtc agaactataa cgagaaccaa aagatttctt tacatttgag 60
 ggcaaaattc atagatgtgc ccagaggcca gagaattaac aattaaatgt acttaaataa 120
 agtcagtatt ctccaaaaga tgcaggtgaa gttctttatc tcataactgc aaaaagggtta 180
 ggaaaaaaca actagttctc agcatcatcc ccgagctccc cgtcttcaag ttcctcatgc 240
 cccccagttt tcttggaacc atcccagtggt tccctcttgt gtcttctatg ccgggttttca 300
 ttgtctgatt caggagagtt tgcattgttc cgagacttct tgcgttcaact gccatgcctt 360
 cgtgattttt tagattcttc cttctcttcc ttttcagaat ccacatcatc tatactgctc 420
 tgatgccttt tccgaagggtg cttttcttta tacttttctt ttttcttctc ctcttt 476

<210> 43090
 <211> 165
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910069d08d1

<400> 43090

gggcaaaaaa tgggtgtgatt tttttttccc aagcctttga caaaagggaa aaacaaatca 60
 atccgcccc gggtttaaca tgcaaatgcc ctttgaaaaa ccaaaaaatg gggccccctt 120
 aaattccctt tgggttcaaa acaaaagggg ggcctcacc ctttt 165

<210> 43091
 <211> 402
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910069d09d1

<400> 43091

gagaacccaa ttgggggtag gcgtttcaaa aaaatcaaag tccaatttcc ccaacaacgg 60

tggttttcat tcaaaacaca cccaaacccc cccgaaaata acagaagggt ttaatctcct 120
 ttacttaaaa aaaacctaaa ggtttaaac aacacaaact cctcaaaact cgtcaaaact 180
 tctttagaac aggaactcaa aatgccagac ccaaaatttc ttccagccca tatcaaaata 240
 tggggatcac ttcttaaatt tctttggggc ttgccccggc tgggatgctg gaacaactgt 300
 ttactgggg gcaggggaat ctttttttcc aagaccttgg gccaaaacgg cctccctccg 360
 agcaattttt tttttttcgc tggccttggt cttgggacgt tt 402

<210> 43092
 <211> 330
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910069d10d1
 <400> 43092

cccccctcct gggtttcagg aatgtttaaa aaactggggg ccacatattt tacaagagga 60
 aagtggacca aaaacaagga cagctaacaa caattacata agtcttttat tttctaacaa 120
 gacatcatgg ttcaagaatt atttttttaa ttaaaagaaa ccagaaactt ttacaccggg 180
 gaattaggag gctcccatta ctaattccac aataccaag gaaattcata tgccatataa 240
 acaatctcac aaatgaagca actacttggc aacaaaaatg agttggctct aaaatttaat 300
 ttagactgga acccccttaa taacaaagag 330

<210> 43093
 <211> 536
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910069d12d1
 <400> 43093

ggtgggaaga cagttcataa aaacgaaata tgggatacac tagtgaatag tgacttccca 60
 cgttttgcca aattgtcaat ctgggttacat gaagaatgtt gctgaattat aattcaattc 120
 atgccaatat cccttccagt tggaacaaaa attctggcat tttcctccct ttgcttgggt 180
 ttctataacc agtggccaac taaaacacca cttgaccaag ggaaaaatgc taccggggtc 240
 tacacagggt tgatatcagt ttaaataata caaggtatcg ttatcatcat cactgcatta 300

aataactgtta caatgaacat ctgatcataa tgtcaacagc agactcttat ttctcctact 360
tatectcctt tatcttccat tttgctctag gaagaattct cattataaag ttgtgaacaa 420
tagtatgtgt atgagtcag cgcaagggtc tgttcctgag agcggaata catgaagggt 480
gtataatata aaaaatttga caccctagat gtataaatat cagcatatct ctcaat 536

<210> 43094
<211> 437
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910069e08d1
<400> 43094

aaaaaccaat tatgcatata ataaatataa acagaaactg actcaaaaat ccctgtgaga 60
aaagatgctt agactatcgt cctcctaact cgaggcacct aattcttggc cacaacatga 120
aaatcgaata aaaggaaaaa ccaaaccaag cagaacctac aaagttccaa taccatccgc 180
caattgcata aaaagtctgg cttccaaggt gacctaacgg agaaacttat aacatactca 240
acttacaaat ccattcatta aactagatat atctattaaa aacccaaagc ttcaaatacc 300
aaataagtca accaaaacttt actgaaatat ggcacaggac tgggtgcatg aagaacttga 360
tcaccatcca gctcgacttg acccaacttt agaagcactt ccgatgaacg atggctggcc 420
cagattcatc atattca 437

<210> 43095
<211> 503
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910069e09d1
<400> 43095

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aacactccat ggccctgcct cggcaaaaaa tgtaattttt tttaaaaaaa atccctcaa 120
tataaatata catggtatta caattggaat gtctgaaaaa tggaaataat agaacaagac 180
cttgagccca agcgatgaat agaaactcca aaaaccattg gtactaaatt aatatagtac 240
caaatttagc tgggtcccag ctcaacaaag aatcaagttt catctcaaga tcctacagaa 300

09531113.032200

cattaatgac tctctctata ttctgagatt gatcatcacc caaagccaaa ttaaatatct 360
gcatgtagtc atcaacaaaa tgaacatcaa gaccttcttt cacattaggt gctagctcat 420
caaaatctct cctgttagct gaagggaata taatagtctt aacttcactc cttcttgag 480
ctatggtttt tctctttaac ccc 503

<210> 43096
<211> 328
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910069e10d1

<400> 43096

attagggggg atatcataaa cattttcact ctcagggata acagcactac acgcatacat 60
tgacatcttg ccatcgatag cagcactcac atgcatacat aacatagtaa ttaacaccat 120
gaacatgccc ttctacccaa ctctaacctt cttgcacagt acttattgaa ataaaaaata 180
aaaaaacaaa ctaacaaaca agagtgcacat cggaagatta aaaaacaaag cgtcttaatc 240
ctcgcatccc catgaacctg gtgtgggtctt gatcggttca ttgaaccaa taaccaacct 300
atttaaagaa aaacacctta attatttt 328

<210> 43097
<211> 396
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910069e11d1

<400> 43097

accaacttg tgattcatgt tctattttat aaaatataat ggtttgaaac attcagcatt 60
gattcaaggg gaatacgccg aattttattt taatgctgaa tatatctgtg cagtacatta 120
aggactcccc tctcatttta gacagcaagt atcaatatga atcaccactc atccacaata 180
cataataatt tattaaagat cgagaaatcg taaaacatgt ccatatgaat caccaatcat 240
acatgatata taatttaata ttaaaaattc aggtgctttc tcttagaagt ccttatcttc 300
aggcttgagc cacctctact gtttcagaac ccttggtttat ttcaacaccg tttacacctt 360
tgtcttgatt ggacccacag ggtttagctt gggccc 396

<210> 43098
 <211> 394
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910069f07d1

<400> 43098

ggaagcaaga aacaataaca ttacaaacaa taaaattgag ttaacaagaa taaaaggtat 60
 acacgattgt acgtctaagc atttaccatt ttatgtccaa gctgacctga tattgatgag 120
 acatattggt gaatcgaaat ctaaacaatct aagctgatac aattacagat gaaaagaact 180
 aactagtagt aatacaattt gttgatcggt tatctttgag cctgatcagc agtgtgggtg 240
 cttgtttagt atgatgatcc tgttctacca ttcaatatc cattgtccgt tggggggcag 300
 gttccccact taccctctga ctggttcggt tctatcactt tgacagatcc atccgtcaac 360
 ccaaccgcaa actggttggg ttctagagga tgag 394

<210> 43099
 <211> 359
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910069f08d1

<400> 43099

gacacgtccc aagagtttca ccaattttca tttcctctaa gagagtacaa attactgtaa 60
 cttatgggtt tgaaccatct tattcaagtt caagttgggc aggtctagta aagacaacaa 120
 agctttcgac ccaattattg cagtttcaca agacgaaaag gagagaattt ctgagtagaa 180
 agattgtgtt cactaaaaac ttgttattgc ttataaatga gttggaagaa aaatatttgg 240
 ttcaacgatt gacagttgac aatccaatga agaccctat tttaactttt tgctgaagtc 300
 ggggagctca agaacatgaa ttctggggat aggaacagct tccttttttt ctttctggg 359

<210> 43100
 <211> 467
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910069f10d1

<400> 43100

gcagtaaagg ttttagcatt tcattggaaa aggaaataca ccggaggctg ttctcatcaa 60
 ttaaaccccc cacacactgt tagaaaagga ttgtcaataa tatacgccat ttccagacac 120
 cacacaaata aaaacatacc atttatatat ccacaaatgg actatctctc tccccctatt 180
 gccaaagggtg gggcaaccaa ccccaaacia agagaaacca caggagacct atctctagct 240
 aatccaaccc tcaaatccgg cctcaatgt acattccctt catctaccat catatcttgg 300
 cgaacttaaa attgcattta tgtgtgaaga gtgactcatg taatgctcat tactttgctt 360
 ccaaaaactt atcatgggaa tgtttctatt ctatatatgt agtattgtga atgcttatcg 420
 attcattggt tttaaattaa ttaggatatc ttttgtatcg acaatct 467

<210> 43101

<211> 341

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910069f11d1

<400> 43101

ctgaaaaacc aattcaaaag attccgatgt taaagacacc ttgaaataac ttttccttac 60
 aattcaggtt ccttatcaac agaaacagga aacagcattt caatgaatca tcttattact 120
 ttaacaggaa agttgaatac agcaaaagtc cctactcact agtccctctt aactctaagt 180
 ggcaattact atccttgtcc atttctttga gaaatgtaac aaatgtttcc aaagcatcat 240
 caggatcctc atttctcatc agttgctctg ctactactgc aggggtgact tctaatttct 300
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<210> 43102

<211> 349

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910069g08d1

<400> 43102

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 actaaaagtc cttacagtat tcaaattccc gaactaaaaa ttttgacatg agctataagc 120

aggccttggc caaaattgca aaaactaaag cttcaacaat tccaagctaa ctgcccctat 180
 ggggtgcacct tggttaaate ggatgactgg ccttataaga tatttgcccc aggattgtct 240
 gatttgctca aaggaaactt ggggttttta tcctatttaa aaaccccggtg cttttgtgag 300
 tgcagactat attacaggcc ctgactctgg acattgacaa aaaagggga 349

<210> 43103
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910069g10d1
 <400> 43103

aaatcatgaa ataaaaatga ttggctttgt atagtataaa gaatggtaga ataattgaat 60
 ttggctttgta gagcatatat agttaaaca tgaaagaatc aatctatcta tttcaacaaa 120
 aatacatgac tgaagaaaat caattcctgt ctctcatggt ttgtgtcctc attctgctac 180
 taccgatga tccaccctga cccttttgct ccatacgtct acgagacctt gtcttcaact 240
 caatcatttg ctctgaaac ctactttccc atctctcatg ttactacta acactcacac 300
 ttcccatct ctcatgatga tctactacta cagtactcat ctctgtgctt cccaaacca 360
 attcactgtc atactcttct cgaagccttg gattggacaa ggtcttgtaa gctgtgttta 420
 gctgaacaaa catcctcggt gattcctctt tcat 454

<210> 43104
 <211> 485
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910069g11d1
 <400> 43104

ggcctggggg gaagaatttt ttttattaac ctatacattg atgggtgcat gtcaccatgt 60
 gcaaaattcc atgcttaaac tgaggaaagt tatacaatgt caatttttaa ttaaaacgta 120
 cggggcagga tttcttttag agggggctaa ttatacatat actatcttat cttaggattg 180
 ggcaatggta gtcattaaac taagttagag attccacac atgtaaaaat ttcattggct 240
 cagaacattc caacccccac tcttttcttc tcgaatcaac agtgtgtagg actgcatcca 300

tcgcaagata agtttgcaac gatgagactt tctccacatt tgaaactatt gccctgtcat 360
aatcattaga tcaatattaa cataaatgag acacattgat ggactgaccc gaacaacact 420
catcatttga actcaaata gaaaacagca gaatatacag aggaaaacga gttatagatt 480
caggc 485

<210> 43105
<211> 374
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910069h07d1

<400> 43105
gactcaaaaa atcacgggaa aaggaggac acttttttaa aattccctga ttacacacca 60
attaaaagtc tttaaaatat tcaaaatccc gaaccaagaa caatgacatt tccaatatac 120
gggccttaac taaaaatata aaaggcaaag cctcaaaaaa tcaaaaccta caccctcaaaa 180
ggatcgacct tgtttaaagg aaatacctct ctcaaaaaaa aatttgacaa aggaatgtct 240
aaaatgctca taacaaaaat gagctttata tcctattaaa aaacaccaag cttttgtgag 300
gccaaactac ggccattaac aagattcaag taattgacac taaaggttac acgagaccta 360
tacagaactc catt 374

<210> 43106
<211> 404
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910069h08d1

<400> 43106
aatgtaaaag gaataattct tatttattaa atgaacaata atattgtgta acaatttcatt 60
tattgaattg gagaagcatc acagttcttt cattataatt acaaacatca ttacaagctt 120
agccaaatat gagcaagata tttaatgact ccattccag cagccagttt acaaaatcaa 180
gcctacccaa aaatgaggga cgagtgggct ttgttcaaat tcttctttga acagttgtgt 240
catgcatgta acaaatcttg cttggtataa ggactggcga gcccttattc cttaaaaaga 300
aatggttttg tcaagggggg atgggccgtt tgaatgcaaa attaatttgc caaaccttaa 360

ctgaagcagt cccaggggcc tcagtagctt tatggaataa aaac

404

<210> 43107
<211> 400
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910069h09d1

<400> 43107

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aaaaaaaaaa atggggccac gcgcggggtt tttggaaccc cctttttttc ttttgggcca 120
gggtcccttt tttttccccc tttttttccc cccttgcca aaaaaaaacc tgggtggggg 180
gacctctttg gccctaaaaa cctttaagta attgccctt ggaccccccc cccaatttcc 240
ccccccctaa aaaatccccc gggggccacc ctttcccggg ggggaaaatt tttttcctca 300
cactccgaaa aggggtcccg ttgttaaaac cttttttacc tttttagggg acccacgggg 360
gacctctttt ttggaccttt tcaattccct tttggggggg 400

<210> 43108
<211> 487
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910069h10d1

<400> 43108

aaaatcccca accaatctgt agatacagaa gggcaaaaac aaaactattt tttatgcctt 60
ttcaagtaca catgcaaata ttaaactatt tcaatttctt aaccattttt tagccccaca 120
gacatacaca aatgcaaaat aaaaacttat ataccatta agattctaca acttctcggg 180
gattggcttg ctctcttttt ttttttaact tccattcact ttcttacaat ctggtctgat 240
ttctccttga gttccagtca aagggtgat gttacccatg ttgatcattg actgagcaaa 300
tgcttcaaaa aaggctgatt gggtgtggc aaaattgtta acaatggaga ttgtggaaa 360
gccattctta aaaaaaagt cttgatctgt ttgaaaaaga ccttggttga tgaaaaaatt 420
ggtgaaatat ttgtgtcaa aagtgtcagg ggttgaagga tcaaaattgt tcaatgtaga 480
cccatTT 487

<210> 43109
 <211> 366
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910069h11d1

<400> 43109

ggacatgaca atttcatata ttattatact tcacaatcag cattactttt gtttgagact 60
 gaaaataacc atattacatt attattatta ttattggaac aatcggaata cgaggggaaag 120
 gaatagaaaa caatgaacaa cccttggcag ttggttgcac caaccaaagt agccacaaat 180
 cgaaatccta gaaaaatcaa aaggtaaaaa ataaaaagga ccaaacccta cttagaaaag 240
 cataactgtt ccttgttcc tgttccttgt tccttgttcc atccaaaggg agacaacatg 300
 caagttttgc tcatggcttc cacagaatgg ttgtgtctgc aatcatggaa gtaaccacat 360
 atgggt 366

<210> 43110
 <211> 456
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910070a04d1

<400> 43110

atagctaatt agctaaatat ccattgaaca ctggcatcaa ttcaaaatta aaaaggggga 60
 aaaaaaccta tcaaaaaag gcattagata ctcttctaac aagaaacga tcatttttaa 120
 ttttaataca cctcctccat tttgctgcc ttagcattaa cctcggcctc ctccaggggg 180
 ggcttttttag cattagcttc acctgcatcc tcgtcaatgc ttagtccaag ctttaacatt 240
 ttgtggatcc tgttcccaa agtggtgggc tcgttaaggt tgaaaccaa agtgagaaaa 300
 gcattctcta acagcaacac aacaagggcc ttcacggatt tgatcatttt gtttggatta 360
 gcacgctttc tgagctccct catgattggg ttttcacggt tgatctccat ggtctttttg 420
 cttgacatgt acctgccaat gctggtgttc cttaaa 456

<210> 43111
 <211> 508

0953113.032200

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910070a10d1

<400> 43111

ggtgggatat tagagtacta ttattaatgg gacacaattg agttcaacac aaaccgaact 60
tattttcaag ggacattatt acagacccat taaacatcaa agttcttcaa atgttttggg 120
aacacatcca acattacaca acgagcttaa aacccccac ggagacggag gacaaggtga 180
agggttgatt ccttctggat gttgtagaca gcgagggtcc ttccatcctc gagctgcttg 240
ccagcaaaaa tcagcctctg ctgggccggg gggatgcctt ccttgtcctg aatcttggcc 300
ttcacattgt caatgggtgc agagctctcc acctcgaggg taatagtctt acccgtaaga 360
gtcttcacga aaatctgcat accaccacga agacgcaaca ccaagtggag agttgactcc 420
ttctggaagt tgtagtcaag aagggtgcgt cctcctcga gctgcttccc gcgaagaaca 480
gcctcggtgg tctgggggaa accccctt 508

<210> 43112
<211> 492
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910070b02d1

<400> 43112

aaggatatac aagggtcaaa cacattatta tataaactat taacagcagc ataacctcgt 60
ggcttggttg ctatagtcaa gtctagtgat gatatatagg atctatttaa catataatcc 120
ttaaacacct attctttttt tttattcttt tcatcagatc atatcactta tgattggtgt 180
tctacctaac attttccatc catgccacgt tccttttggg tgtaaaataa gtaccatctc 240
tactttaacc atctataatt cataacctgg gaacctagag ttgtcgggtg caagctgac 300
aaaccagagg catgctgtcc cagctagatc ttggaaaagt gaatagccat tggcagcatc 360
cagaaatttt gtcttttcat accagaagga agcgattgat tctgctctct tttcgaatat 420
acccttttta tagagtttgt aagggaagg aaggattagt atttccgaaa cctcatttgc 480
aagtccacct tt 492

<210> 43113
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910070b03d1

<400> 43113

agaaaaaaat agactagtat acattgaaaa tgctaacaac tgtcaccgac tgaatccccc 60
 ggcaaccctc gttgccattt acacgcattc aattcaagta attaattatg aatatggaca 120
 aataccaaaa taaaaagaag ctaaaaggaa aaagtaaaaa caaaaaccaa aggcaagaag 180
 aagaaaacaa attaataaga ccattaacac agtacacacc tctgtgctgt tgttgtatgg 240
 tgggtgtacat tattacatgg atcaaacggt ccacttccag atcttgaacc gaacatcgac 300
 gtcacatttg gcgttagaag tggacgccgt cgccggtttc ttaccggagg gaagactgac 360
 tctgattccg tcgcaggaga ctctgattcc gacttttggg gttttcaaata ttcccatctt 420
 ggccttcact ttggtttcca aattcacttt gagtggcaac ccgttcttgc tcttcatgct 480
 ggactttaag cgtgaggctt cgtcgctttg aagcgcctgg ccgga 525

<210> 43114
 <211> 295
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910070b06d1

<400> 43114

tatgagcggc ggcggcgctc gacttttttt ttttttgtct acacacaaca tatcactctt 60
 aaatgtatct atgtgtacta cctaccgttc aacatgggaa ctgatccact ataacaaggc 120
 aacctgtgga acagtatatc tctccttata aagcaaaccg tttacttatt agcgtttcat 180
 cgcacaaaaca ggatgatgtc tttggatgat ttatacatgc aacctttgct tgctaaatgt 240
 ccaacagggc ctgccatgcc tgggaattgc gaggagtcca gtgctttatc aaaaa 295

<210> 43115
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910070b10d1

<400> 43115

aaaacacaat ctcacaaaaa ttatttcact cagaataaaa atgggctttc aacattttcc 60
 ggaaacgtag gacaggtata gaattttgtg gtacagctta aagatcacia cacaattggg 120
 aaagccattt aacacagaga aacaaatgca tgaacaaata tcaagaaaca ggaaagctcc 180
 ctcccaaatt acatattcaa cctatacaa gatatcctat gttacagaat gtgcattcaa 240
 tatatatatt taaatgaata aaactatggg taaattctaa accccaaacc aggccacctc 300
 tttgccccct ccttcttcgt ccgctttgag ccaggatcaa taaggttttc cagagatttt 360
 gcttttctgt ccggtgtctt gctgtcttct ttcagaagct ctgccagacg acgcttttta 420
 tctttaaaat caggatttgc tatcccaagc ttttcctccc tcagcttgag aacatattct 480
 taagatttaa tcgcttcttc cactcttc 508

<210> 43116

<211> 514

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910070b11d1

<400> 43116

aaggcaaatt accttttttt attttattca aattgtatga ctgaataggg attgatatga 60
 tatcattatg ccggatactt attaacctaa tatctaaata ccctatcaag ggaatgaacc 120
 agttagtatg cttgtctgag gacaaactca aatgaagagc tttaaagtgc ttgaacatgt 180
 ttagtcaaaa agccatttcg acattaaaat taaagggcct gcttggcctt agctaagtac 240
 ttaatgttgc ctcatctggc ccattataaa aaggataatt tgcgtatcct ataacaagat 300
 cttggtttgc aaaaagagct cctgatatac ttggcaatta ggtgcattga gcttaagcct 360
 taaaaccaca gttggattgt cacatgaaaa gaccaccatt tagatccata tcagtatggc 420
 ctttaactac agcttccatt tctgagtcct tagtaaaagc tacactacac atgaatggtc 480
 cctcataacc ctgtcttcat ttatgcttaa aatg 514

<210> 43117

<211> 292

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910070c03d1

<400> 43117

ggttgggttc tttttaaaaa aaacaacgga ctttttgctc gctgaaattg taggtgaagt 60
tcttttcttt tttggggccc cgggctgtat tgtgggtttc atatttgcca ccccgaaga 120
gcacggcaaa tctttctcct cctgggga aa attttttgca cttttctttg caaaaaacgg 180
gttctttaac tttgtggccc ttttgggttc gggactctta gagggggggg ccaaaatatt 240
tttgcgcccc cttttctcca aaggggaaag ggtttgggtt accctctcct tc 292

<210> 43118

<211> 441

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910070c09d1

<400> 43118

aggggaaaac cactaaaatt ttattcctct agcgattgaa cttaataatt aaaatgcca 60
tttttactca aatgaataaa atgaaatgtt taccctataa aattttatgg acccttgatc 120
ttgaaaagaa tcagtcaaaa gtaaacctgt catgggttaa atttccaatt caaaaaaat 180
ttgggtcccc cattttttga aggggtcaaa cttcaattct ttaaaattgg agtccatcat 240
gctttttaac tcaaaaaatg acccccgaag agttttgtaa taaggaaatg ttattttctg 300
cgtgaaccac cactattgaa ttttaaccgg gggggtttct caaactaaac tttaaaacat 360
tttttagggg acattttgcc cccaaggccc tataatttaa aaaattttta atcgcaccaa 420
accatcgcaa accaaaactt t 441

<210> 43119

<211> 502

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910070c10d1

<400> 43119

aagacaaaag taaacaataa atacaaatat gaagaaaaat cgatacaagg taccctctga 60
aaaccatgtc ccaggaactc actgtctatc ctatgaaaga attttatatc aaaaccagac 120

tctaagctac tgggagtgtc ctaaatacac tccatataag tgaacaaata taaaacaga 180
aagtgtttta gttttaacaa ccaaactcat ataagtagaa ttcagaagcc aaaaatccag 240
tatctatgag gccactttcc cttacacctg ctgtcctcta gaaccatacc catttggtcc 300
attgacacca tgtgctgtct tgttctctga gttcctcctc ttcaacacaa caatccatgt 360
gtaggcctcc aaaagcacag caatgccacc caaagctgca atgatgcaa tgtaagcatg 420
cttcagtc ttagtagcat cccctacgga agtctccaat gcatcaaacc ctttaaagac 480
cgtgatgata ctgatgatta tg 502

<210> 43120
<211> 519
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910070d02d1
<400> 43120

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aaaaactgta cattgtattg agagcaatgt tctttgatat cgtgtaccga tacatattta 120
ttagactgtc caatgagaaa gctattattt tatatgtgcc aatctttaaa aatatgctat 180
tggaagtta gatccccata agtgatctct ccaactgtaag taacatatag aaacccatct 240
ttatccttct tctcatcata tatggaatac ataattgctc ctgtaggtgg aaggacctct 300
gtcacaaaga taaagattgc cttttctgca cttatattaa tccttttgcg gataacattg 360
tcaaactgtc caactgtatg attatcatgg acaaggttct ttttctgtc aatactctgg 420
atatcacttt tttttgtctt tttcctctat tccgagatac ggtctgggta ttcttctctt 480
aatttctaga agccttatct tttttctttt aaaaccttc 519

<210> 43121
<211> 529
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmro02910070d03d1
<400> 43121

gagaagataa aaatgaatat cgtcattaat aataaaaaaa agcgtcatta ggtgtatgat 60

acatagatag ggtaagtaag caaaaaaaga gtagcaggca gagcttgtaa tgtatgaagg 120
 aattcaatcc aaagcattgg gccagcaca agccttcaaa acgggggtcc aaatccactg 180
 cactagaaac ttccgtccat tectaccgtt aagattaaag gttctccctt caccatcttt 240
 cataacggaa ccaatataac cgccgccacc acccggtccg tacaaccctt cgcacaaatc 300
 tccgatctcg gttggcgagg tgggggtctc gccggcgtag cacgcgttca ccagcgggtt 360
 cgacgagagc tccgacagct cgtgccccgat cacgctcacc atgccgttca ctccgacgtc 420
 gccgttcggc ggcgtgaggt ggccggagcc gtcgccgccc atgttgccgg gaacagcgaa 480
 gggataagcg caaccttgga cactgttttc tgagttccca cccagcgta 529

<210> 43122
 <211> 481
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910070d11d1

<400> 43122

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 cactatgaaa cacgaaatcc ggatagattg gcttgtaaata caatggatat cactatgatc 120
 agaaactcaa aaactctccc gtagatatgg cgactagct gtgacagttc gcaccttttt 180
 tctatccgga caaaaatcgt ccaccatctc ctgcgctact taatagagct ggcttgatat 240
 cgccataact gagaatagtt ttttgcagca attcctctga gcaagaagct tgcactgtga 300
 aatcattgca acagcttatg acgcattgtt ggatctcgac gcctaattgtg gacaagggtg 360
 ttactgcagc catcaacaag cctgtgtccc ctgcacaata gatctccacc cttgtattga 420
 cattttttct cttcacatca aactttggag aaggcttact ttgatttcgg ccggctttac 480
 a 481

<210> 43123
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910070f03d1

<400> 43123

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 cacagcacgc acgcacaaga ggggtgcaaga gttccaatta tagctaaaag tattagctaa 120
 ttttaagcaat catacaaacc caagttacac aaaagagaat acttctagca agcattctgc 180
 tattacaaca ttogctagaa aagataagct tctttctcca agaaccgcca gactcgcatg 240
 aaatcaccag acaagaccaa aatTTTTTcaa atgtctcatg ctttgctggc aatgttggtta 300
 gaaagccagt ccaaaccctc atagagaccc tctccagaag ttgcacaagt gctctggata 360
 taccattggc gttgacggag tgaatgaagt ccaagcttgt cagttatttc tgcagcattt 420
 attgcattag gaagatcttg cttgttggtta aaaacaagca aaacagca 468

<210> 43124
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910070f09d1
 <400> 43124

gtatcaaata aataaattat ttaacaggaa acctgaaaaa aaataacaac gtggaagcag 60
 ttgtccaaaa ataatttggtt aaatatttta caacgatcag gaccattaca aaatttaatc 120
 cactatccct taaaagaaaa aatgaatttc tagattgcgt cttttgcttt ttttttcttc 180
 attttttttg acgtgtaaca ctatcaaact aaactgaata acattatcca tccataaaga 240
 aattttcact ctgaccatcg attttgcttt attttttttt cgttttcata tccatttggt 300
 attatcggtta ttatcccaca ggtatccaaa aaaagtcttt ggcggcatcc aaccctggaa 360
 aaaacttttg ttaaaggaaa a 381

<210> 43125
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910070f11d1
 <400> 43125

ctctcaaattg aattcttcaa cattataata agaattcgca caaagattgc tgccaaatca 60
 gtgaacaattg tcaatgcatg cttcacataa tccaggtcac caaagtgagc cctttcaata 120

atttcttgag tgtctactat aacgtagccc acaaacacca aatgccc aaa gtacagctca 180
 aacttgaaga gtgcaattga gcccccaaag agagaggaag caaagtgcaa ccacataaga 240
 atggacagcc cagaagaaag caaaccacca aggtagaggt actccctacg ccttgcaact 300
 aaagctgccg cagagaagca agcaaaagcc aaagaagttg ccacaaatgc actaacaata 360
 aggctaggat caatggcaat agccaaatca ttcagagggt caatggaagc gccctgaaac 420
 aaggccgaag ccatcaacag agacaaccct ttttgcctt cacaggggggt gtagatagca 480
 accaaacca 489

<210> 43126
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910070g02d1
 <400> 43126

cttattctat tttttttttc gttgtttcta attttttctg gaaaggccca ctccccattg 60
 ttttctaacc caaagggggt tatttctaaa tgcgtgctgt ggctttctag aaagagctca 120
 tatacccctc ttgcccagtt ccctgggcga tatctaccag ggcccttcgg gaaaactccg 180
 gggggggttt tggatttcga aggggggcatt tatcaacata accttttcta gttccccaaa 240
 ggggcggt 248

<210> 43127
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910070g08d1
 <400> 43127

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 tgctgaaact cccacctaaa ctatagagaa tgacagatta gcattatgct atggagacaa 120
 gatgataaag gctaaataat tcacactata caagcaatgc catataatat tcatcatcgg 180
 agaagtcgga agaagtgtaaa tccccaaaag tcaaaagcac tatgttgaca gtagaggcaa 240
 tggcaatctg ctagcaacaa ttttattaag tgaggagaca aataccacag ttgaagccag 300

gatgtgggaa gacttattta ccacagttga agccaccaca aacggaaaga acaataatga 360
 gaatcaaggc aattatgata ccagaacaa ttagctttat cttcaagttt tggaaccaca 420
 tctttctcct aaacttggtt ccctgctgcc tgaaaatctg agcccgagag cgaaagttct 480
 ctgttttatt caacaaaagc tcaatttt 508

<210> 43128
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910070g09d1
 <400> 43128

ggggacaaaa ttctgataaa atttccattg catcaacaca gtaacattgc ataaccaaac 60
 aataaattgt gagtataggg agaaaaaaaa aaacgaacag tttaggtatt tatgagatgg 120
 cattatacat tgaatggagt aatattatta gtaatcatta aacacgcaaa ttattcatcc 180
 acaccagca agacatccac tgaagggagt gattaactta acaacactct taagcttgag 240
 gctaactga cttgagtggc ttcacaactt ccaggtgaa gtctgcatta tcccttccaa 300
 agcgtccata agcagctgta ttgaggaacc tatgaccacc cctttttaag gtccaagtta 360
 atgggtgatca ttccatgtct gaaatcaaaa ttctccttta caatttgcag aatttccttg 420
 aaaagaaaat tccaagtgc ataagtgtcc aaaatcactg acaagggtc aaggacacca 480
 atggtaaaag aaaattgaac aatgcactt 509

<210> 43129
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910070h08d1
 <400> 43129

aatcatagaa aaacacaacg tcatatttca catttaagaa gcatgagaag atccatatat 60
 ctataaagac tcacatatat aataattaca tagagcacat aaaagaagaa aagtaaagca 120
 ttaagcaacc aagatcattg ttcccaacta gtgttggtga gcatagtggg taataagcga 180
 gagagcattg ctagtaacct gagcaacatt gagcacccta gccctaatag agtccttgat 240

cttcccatc agcgcttcc cggagaatcc atcgccgcaa gtgctctcat cgggtcaaagc 300
 agaactgacc catgtctcca cgttgctaata gtgccacgtg aagtcctcac ccttaacctt 360
 acatagcttg agctccttca gcgaccggct gaggcgggtca acgctgtcgc tgatttcctc 420
 ggcgagtc ttagtgagc cgtgctctct gggttt 456

<210> 43130
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910071a02d1
 <400> 43130

aagagggaaa gtgaaggata ccaaacacaa ttacaattgg caaatacaat gtcccagtgt 60
 gaagggttatt gaagtataca aaataattca gacgtgtcag gtactagtaa tactacaacc 120
 ccacaatcta agtatttttaa gagaagctca cagcagtga tcatattacc tataaacaac 180
 gtgcaatgac ttgttatatt taattatgag tttcattcca taaataatga aagggttcta 240
 tttccattgc ttagggactc ttttaattct gaagagttaa tacattgggtg cagtgtcaaa 300
 gaaaagtatt cttccatccc ttgatgtgga ttcattgttc catgccgggc caataaacca 360
 tgatgcagca acgccaccag ccaaccctcc taaatgtccc cagttgtgaa tcccagtgga 420
 taatagccca ataaccatat tgagggcaat aacttgcgct atgtgctgta aaattttttt 480
 accacctccc acaaggtggt tgtggctcaa taaaaatac 519

<210> 43131
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910071a03d1
 <400> 43131

aggaagcgaa ttgaacagca atatctaaga atggggaaac aaatggagaa agaaaaatag 60
 taaataggtg tttattgcat tttcattaac cgacctaa gtagattact agttacaaga 120
 cactttctgg acattgttta atcaggagtc caagccaaaa tggcattcaa aatagccct 180
 ttccacccca gccaaacca cttgccatcc tgaggcacca caaatgttt ttgatattcc 240

ttcttcacca tttctttttc atcactcacc aatagtggat caaattggac ttgcttgaac 300
 ccaactatct ggttcctaac ctgccactgc ttataggtct caggtttttc aaccctttga 360
 gtccctttac acgctataac attgat 386

<210> 43132
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910071a04d1
 <400> 43132

aaacttgaag agtttcggaa aatttttgaa ctaacaacac ctggctccta cagatttcat 60
 aattgttcgt ttgtcttccc ttaagaagaa actaatccaa acgagaacag ccttctaaat 120
 gctaagcaca gttgaattcc tggtttccag gtattacacg ttctctaagt aaaacgtcag 180
 tgaccattgg tgaccaaacc attttcaacta gttttctttg catagaatct cctatacatg 240
 gagtcaactt cagtgaagata gaatgtgcct ggagataaaa ggctgggggc cttgcttggt 300
 acaaactcct tgccaccata cctatgttcc attagcttca tgggttcaac aaatttctct 360
 ggtggaaact catgtcttga cttcaatttg ccagcaacat tcatcatttt atcaatgttt 420
 gacaggctaa atggatgttg accttcacgt aatagcaaag agaacatt 468

<210> 43133
 <211> 561
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910071a05d1
 <400> 43133

aatatatata aacttatata aagtatttgt tgttattatt atgataatgg ttttaattcta 60
 caaaatttca acctctatac aaaggagacc cttcctgaat cactttagag accttggatt 120
 gccggaaagc cttcatcgga cttgggaaga accaccctct ccctttcgtc cgcggtctca 180
 attctccgtc gccggaaacc accgataccg ccgtcactgc caccgacctt gaccgcacca 240
 tcatcggatt tatgccacca tcgcgctctc gttcctccgc caatatcttt ttcgcctccc 300
 actcttgctc cggcgcgccg ccttctccgc cggcgtgact actgctcttc tgcgacttga 360

acattgacca gaacgacctc gccgaccggc ttccgttcat tgccggcgag tccctcgtgc 420
 tgtcgagatc cgaaacccta tctccgccgc cagagaaccg cgaccgtgac ctgagaaacg 480
 gaatcgccat ggagcgcgag cggcggagcc caagctcttg ctcgatgagg gtgtggacac 540
 ggtcgacgga accgacccat t 561

<210> 43134
 <211> 532
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910071a08d1

<400> 43134
 aataaaacta taaatātatt cacataagta tgaatgttga gtttctacag gcaagtaaaa 60
 taatttatag gactaatgaa atattcaaca ctaccctcaa tggcaaagct acagtccaag 120
 tccaatttaa cgaatatata atataaataa aaaagagata gcgaagāaaa aaggattaga 180
 aagtatcggtt ttctctgac ttctgagaaa cttctgggaa tcggtcccaa acggttaaac 240
 gacgcacgtg acgtctccgc gtgccgggtt cggattccct acagcactac gtatctaate 300
 taaaatgttt cattcgatta gccgtcgccg cgtgtcagtt gcacaccctt tgatttgtcc 360
 tgtgacacgg actcaaccac ggcgtttcct gattctcgcg atggttctgg caatccaacg 420
 gctcagattt cacgtctgca gaaccacgt gatgcaggcg cagcagggtā tnttctctt 480
 ctctnctcct cctccttcgc aatcttgacc acttccactt ncttctctc cc 532

<210> 43135
 <211> 583
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071a09d1

<400> 43135
 agcacataaa actcatattt tatgaaatta ttggaaatag gttgtcacac ttggtttatt 60
 ttaacatttc tggttgatcg caacacagac tttttctcca aaagcaactc aagggttagt 120
 aaacactcaa catcatacat tgaaaatata taaatatatg cataaācaaa gtgactaatt 180

agtagtgagg ggaatgagat ttgtgggttc cttgatcttg gatatgaaga ggctttgaaa 240
 ttctgaatcc acgtgaagag atgcttggtg cacagatggg gacaaggcgc tccaaattga 300
 tgcccttcca cccaactctt caaataaagg cttttagtgg gtcacgatag agtaactctc 360
 aattccttct tccccagcaa tttgtgcaac cacaagaat tgtggcacia caagcaaattg 420
 accagcctca acttgagtct ctaatgcaca ctttccacta aagtcacaaa tttcaatctt 480
 gccactttct ctagcaatgt aatcaactg aaccgtaggg ttgattgggt atgatgggtg 540
 ctttaataacc cccggttaag tttcactctt atcacactaa ccc 583

<210> 43136
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071a12d1

<400> 43136

gcagagagat tttatgtttc attgctctct tatttgatca attaatcaac atggagctac 60
 acaggaaatg gggtcactaa caagaaaccc ccatgattat gatgttttaa gttgcctttt 120
 aagactcaaa ttttgtgttg agcctgcagg ttaacgtaaa tgaataacct aatatacatg 180
 gtgtcttgaa aaggagaaat gcttcaaate gttgcttgac gcagtcggtt gtgaagcaag 240
 gcatgtgtgt tgttccatag cttttgagct tccgattcgt catttgctag gctcgagcat 300
 ttacactcat tgcaatctgc aaagtatttt ccacttatcc cttctgtttt ggggctcagt 360
 gctacataac acgtaattga tgcaccctgt gatgtcggtt tgagtaactt tgatgcaata 420
 aaaaataggg aatccgttat taagccctta tgagctctaa taattcct 468

<210> 43137
 <211> 294
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071b01d1

<400> 43137

ctgaaatctt agtcataag tcaataccca aattaagccg aatacgttca tattgatgaa 60
 ttttcaagtg tcatctcacg gccaaagaaa atcaccttga aatttgagca ccaggacact 120

ggaaaaaata aatacatggg ggaaggagct cattccgctg ttaaagttcc ttcattgaca 180
 acatgttgga ctcggaagc gaacaaaatt ctccatccga ctctgtgcac aacacattct 240
 tatgtcaacg cegtcaagtt ctgatccac catcgctagg taacgcaaaa actc 294

<210> 43138
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071b02d1

<400> 43138

ggtatccaat attatTTTTg ggggaacagg ggtaagtaaa aatttcaatt tatgtcacca 60
 atgtcatgta ataaaatata actgatgtac ttggagggga aaacactgtt ttacaaaaaa 120
 taattaacac aactgaagca ctacattaaa ccatatacac actcttaaca attactgaat 180
 tactgagcac gctcacttta taaacaatta atgaagatgg gtgaatgcgt tatccatgtt 240
 ccttccatct acttggggca ctctctatta atgctgtaag ctgaaagcca aattgatcaa 300
 gactgcgaca atgcttccaa acaaagccac tgttttagag gcaccaacat gcctacagaa 360
 cttatcgtga acatggcaaa ttttattcca acccaccaca tggtttggtc cctttaaacc 420
 caaatttgct acacccccaa ctgtgcctgt tgctgaggct attatcccc 469

<210> 43139
 <211> 437
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071b03d1

<400> 43139

acatactcat tggacatact ctttataata aaacaagggg gactactcca caaaaactgt 60
 tcgtatccta aaaatatcga ggggtgacagt tgggccaacg aaaataaaag aggcactatg 120
 catatcaaat gtgcaaaaaa tcggcctaaa caaccactta ggatccgcac ccactcgctt 180
 attaggggca aaaacacgcy attatTTTct tgtgagacag tggaactact acgtggaact 240
 ggagcatgat gactagccac cagacatagg agcaatgaat actttacat ctgctaaaat 300
 ttaaacggct acaaactgcy agcgtcgtca ggagatgacg ccagcatgct atggcatttg 360

0053113-032200

tgacatctac agacagatct gcttaaatta gctcaggtta ctgcattctc caatttgcgt 420
aaactatgag ctgttac 437

<210> 43140
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910071b04d1

<400> 43140

cgtagaatct acacattctg tcgaattcga gggcctaaca attttaacta gctacctgat 60
cctatcggca acatgaaatt tgatttttct catcgcaccc ctaacaattg gatgctatga 120
ctgatttggg taaacactct tgattgtatc aagggattca gaaatcagac cttaaaggca 180
agctattggt ttaaccatgc gcctaaattc tacctccaaa ccattttcta tgcttatact 240
gggattgata aaagcctcca at 262

<210> 43141
<211> 501
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910071b05d1

<400> 43141

catcacaatc aatcaaagtt gatatattag atttaattgc catatattgg tgcacctgta 60
ttagtgactt acaatgggag attcacgaag tgtaattcat aagaatctct tggaagaggt 120
gacaaaactt gctagagtgc taccatttgg aatttataaa cttcgttggt ttacttaagg 180
cctagaaacc aatacataaa aaggagcag aaaccaataa tccaattcta tcctatccca 240
agcctataaa atacacatac acgtgtcctt caatattttt gcggccttgc gttttaaata 300
atacttttcc cctgaataga ctggaaagcc atacgactgg cacgtgttgc agcaacatgt 360
gaaaccatct aaacaacatc tccttggtg atcaaccctc tagattatca taagttggac 420
agactttgag atgttggatt cagcatcctc ggacagatca accataaggg gcacaacacc 480
ccaatgaaag tcagagccat g 501

<210> 43142

<211> 441
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071b06d1

<400> 43142

actagggttaa taattgagga acaaactatt atccgagggg gcggtataaa ttaaccaatg 60
 ttactcatca cagactccaa tcactatctg aacgatccaa atgatactga tatctcagaa 120
 aggaaaggaa ggattaaagg ggatcggata gcaaatgata tacataacac cgtaatatcc 180
 ccgctacaaa gcagagatag gagaaaagcc accgcgactt cccgggaaag gacccattct 240
 gaggcaccta ctccgagatc aaggcagagg ggaacctgtt actatttaag agagtaaccc 300
 acgggtggac acgaccacag gattggcggg cctgccggag ctggatccga ccttggttat 360
 cttcttgagg aagttcatcc aatggacgac ctggccgaac actacgtgct tttgtcgagc 420
 cactccgttt ttcacctgca g 441

<210> 43143
 <211> 510
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071b07d1

<400> 43143

ccttatcgat ggaaatttga atcatctctg tgatgtatcc caaaagggac aatttaaaga 60
 gaaacatcat tccctagact caattttttt taaaattaaa acgcacaatt tcttcggccg 120
 caaaaaaaaa aaaaaaccta tactttttca agttttcatc cattacccta ttactgaaag 180
 gcaaaaaaact gaccctaata ataaccccat caccatcatc atcacattac agatttctgg 240
 gctttctctc gtcataatc agcatcatca ggggggaact catagcgaca aacgggacaa 300
 gtgttcctta tccccaacca cggcacaatg cactcccat ggtaacgatg cgaacacggc 360
 aacaccttca ccccttcccc agacaccaa cttattttta cagaccgcgc agacgaccac 420
 cacgttgtgg ttgtatgcca cgtcagcttc gggaacaacc accgacggaa gactcctcac 480
 tatggaggcg gaggccggag gtttccatt 510

<210> 43144

<211> 435
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071b09d1

<400> 43144

aaaaacaatc attgaaactt ggcaataaag atcagactat tgctgaatca tgctcagcat 60
 taatacaagt gcagagctat tctccgtaaa acaattctgt acaaaaataa cactcgcctt 120
 caaatggcag cactcatggg aatgcgatat atatattatg tatatatgaa tttttatctc 180
 tataaattaa caaaatcaga ttagtgggtg accccttggt cttttgacaa attttaactt 240
 ggctgattgt tggcgcatta tattatagaa ttggggtcac tatatgccca gagcatctat 300
 gaatgcgctt ccctttgctt ctactttact atgctactac tataaccacc accatcttac 360
 cagttacatg gctaacgttc cagtaggtgt catcttgaac cctgggtgga tgagtaccat 420
 agctttttat ggcac 435

<210> 43145
 <211> 504
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071b12d1

<400> 43145

gaacacagtc aacggaaata gtcttgaata taaaacaaac aagtatatag cataggcaaa 60
 tctacaagag agatctttga taaacaaaca agcatagcat aaatccacat ggcagatctt 120
 tgattcagat tttttgagat taacaaaatc attcaaatgc ccattgggtt tcccgcgaa 180
 cttcctcttc ctctcaggg gtgaagtcac tcttaatgtt aaaggctctg cgaatttcct 240
 ctggagtctt ccccttgatc atgtcggcta cagtttgaca tgtaagggtc agcaggctct 300
 tgatgttcaa gtagttagca gccaggatga gatcgaagag cgtggcctgg tcgacctga 360
 cgaattcagc gtcccaggcc ttgagatcgt cctcggaggg tttgtcttcg ggattcgcgg 420
 cctcgacgtg cttcttcgag tactcgataa ctttcgcag gatcttgctc gtcacgtttc 480
 ggagaaggat gccgttgctg gcgc 504

<210> 43146

<211> 362
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071c01d1

<400> 43146

ctcaaatcat aatccaaaag tcaatacca aattaagtgt aataagttca tattgatgaa 60
 tattcaagtg tcatctcacg gccaatagaa atcagtttga aatttgagca ccaggaaaat 120
 ggaaaaaata aataaatggg gtaagcagct cattccgttg cttaaagttct ttcattgacg 180
 ccatgttgga cttgggaagt gaacaaaatt tttcatccga atgtgtacac aacacattat 240
 aatgacaatc atgtagaggt tagttcccat catcactagt ttaagttaaa ataatagata 300
 caaattgtga tgagacgctg aaccatacat aaacagcata ttacatata ttagcccgaa 360
 cc 362

<210> 43147
 <211> 452
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071c02d1

<400> 43147

ggcattcaat attatttttg tgggaacata tataattaaa aatttcaatt tatgtcacga 60
 atgttatgta gtaaaataca actgaggtac ttggagggga aaacactgat ttacaaaaaa 120
 taatcaacac aactgaagca atacattaaa ccatctacac actcttaaca attactgaat 180
 tactgagcac gctaacttta taaacaataa atgaagatgt gtgaatgcct gatccatgtt 240
 ccttccatct acttggggac tgggctatga atgctgtaag ctgaaagccc aatgagcaag 300
 actgtgacaa tgcttccaaa caaagccact ggtatggagg caccaacatg cctacagaac 360
 ttatcgtaaa catggcaaat tttatttcaa cccaccacat ggggtgtttcc cttctaacc 420
 aaatatgcta ccccccaac tgtggctgtt gc 452

<210> 43148
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071c04d1

<400> 43148

agaggataaa tattttgttg tatttgattg tagaactatt tgaattgtat acatgtacaa 60
attgacgagg caaaatTTTT caatcctcag cggatcccta aaatttggat gctctgcagg 120
atttggatag aaaatcatga ctctctaate ttattgagtc ataattgttca aaaggcaggc 180
tcttgTTTT accatgcgcc taaaaacttc ctccaaacca ttttctatgc tttcaat 237

<210> 43149

<211> 422

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910071c06d1

<400> 43149

aaacaacatt aacctatgat atcagtctca ataaaccacc ttaatcatcc aatatgacca 60
aaatttaacc ataaattcca aaatttaate tcaacaccag cattttaaag tatcaattaa 120
agcaagatcc aaaagcattc gaataacaaa actcgataag attaccgctc aaaacctgag 180
cttggtgaaa aaccaccggt tcttcccggt tttgaacctt ttctcgaggc gcttcttggt 240
cttcttgaga gcaggacct ttttatcctt tgcgttgaga acgtcggggg taaccgcgtt 300
cttcaagtcc acgtcaagcg tgtagcgcgt gggcatgagg tgctgggtatt tgacgagctt 360
aacgaacgcc ttcacgcgcg aatttttcgc cgttttttcc gccgagtcct tcttgatcac 420
ct 422

<210> 43150

<211> 477

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910071c11d1

<400> 43150

ccccctctgg gtaacattta tttatgtgaa caattctaaa agttcgaatt atttggaac 60
attacaacaa ataaaaactc aaccttacct tttctttccc gaacatccaa attacaactc 120
ccgaattatt cgcaacaaaa tttattaaca acagtcaate taaactacct cgtgcaaatt 180

ccccgcaata aaattgcaat gtgtgtgtgt gttttgtgtt cacctccaaa acatgcactg 240
 tttgcgactt tctacgtaca actaaagcct taacttaaag aacagaacaa tcggtacgaa 300
 ttttcccatt tctcgagtc ttaactccaa cagcaccxaa tttggtcata gcagccacaa 360
 agttggagtt gaaaacgttg ctactagaag cgaaggaatt aactgtgttt ctggaccttg 420
 ggtccgagaa gaggatttgg tccgaggtaa agaggccctt ttcttgttga aggtttt 477

<210> 43151
 <211> 452
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071c12d1

<400> 43151

gaacacagtc aacggaaata gtcttgaata taaaacaaac aagtatatag cataggcaaa 60
 tctacaagag agatctttga taaacaaaca agcatagcat aaatccacat ggcagatctt 120
 tgattcagat tttttgagat taacaaaatc attcaaatgc ccattggttt tcccgacgaa 180
 ctctctcttc ctctcaggg gtgaagtcatt tcttaatgtt aaaggtcttg cgaatttcct 240
 ctggagtctt ccccttgatc atgtcggtta cagtttgaca tgtaaggtcc agcaggctct 300
 tgatgttcaa gtagtttagca gccaggatga gatcgaagag cgtggcctgg tcgaccttga 360
 cgaattcagc gtcccaggcc ttgagatcgt cctcggaggg tttgactttg ggattcgcgg 420
 actcgacgtg cttcttgcag tactcgataa cc 452

<210> 43152
 <211> 457
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071d02d1

<400> 43152

aatggaacac ggatttatta tgagatatat atatgaaaag tcacatgcat gtttggcatg 60
 aatggtccac ttgagataat agtaacggta tttacacaat tgcaatgata aaaaagagaa 120
 atcaattgga atgagtttgt cataactaagt tccccattg cagtaatgga tgccattgct 180
 gtgaacattt tggactttgt tgtgcagaca atttaggccc cataccctaa ttgttcggtc 240

atcactggct gaggctaaca tgtgggggtt tgctggattc cacctcacac aattaacaga 300
 tcctgaatga ccagccaatg cttctattag ctcccctgag cttctgtgcc atatgtaaac 360
 ctgtgaatcc tcacttccac taacaataaa agcttgcttt aggccaccaa agcaagacct 420
 gattataaac cgggcgcgtt tatgaccttt gtacttg 457

<210> 43153
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071d03d1

<400> 43153

agtaaaacag ttttataaaa gattaatctt ccaaataaaa gaggggtaca tttgagtcaa 60
 aacaactatt taaattgtag ccaaaattag gaacaaaact aaaagctcag cgtttcccgc 120
 ctccaccgcc aagtttgga cctttgggca tagcaccctt agaaacattg cttttccctc 180
 ctgctttttg cgacttgga gcaacttctg ctttcttagc cttcttctca tcctttgttt 240
 tcttgagcct ctcttaatt tcacgaagag cagcttcctt agctgcatct cgaacttctg 300
 gcttatcagc tctctttttc tggattactt ccaagggcgc accaacaatg gacctagagt 360
 aaggcttttt ggcagcacgt attctatttc tcacagcttt ttgagcaaag tcctttttga 420
 gtegctttct gtacattgca taccaaggga gctttgaatg ctttaggcga ttgtggcaat 480
 acctcttaca ttttgagttt gcaaacaggt aaacctgaga attaccacaa caaatctgat 540
 gcccttt 547

<210> 43154
 <211> 589
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071d04d1

<400> 43154

gtaactatga actatcatta tatgatcggt atttatgtct gtgatacacg caattcaggc 60
 catgatattc ttacgtgatt tacagcaact tctaacttat ttaatacatc ataccaaccc 120
 aactaggagc aattttcatt atacaatgac acttatcttt aaactctgaa gcatgacaag 180

gtggtagtca ccagggacca tattcttatg caatttatgc cacaactgga taagacccac 240
 aagttgcaac accacacatt gttttccccc attttttttg gggagctttt tttaccccct 300
 tttttctccc agatatTTTT taccaaaggg gggggctttt ttttttccc cccccacgg 360
 gggggggggg gtattttcag ggggggggcg ccccccaaa tgggatattt ttccctcttg 420
 gagggaaagt ggccccctta cccctttggg gcccttaac cggggtaatg tatttttttt 480
 tataacccttc cccccccgg gttttttccc caataatttt cggggataat tttcaaatat 540
 acctccccct tttttttgtg ggggggttct ctttttggtc cctactctt 589

<210> 43155
 <211> 170
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910071d05d1
 <400> 43155

aaataaaaaa ctaaacatta attaactcag ctgtgggtag cacaagaaat tctgcttctt 60
 attacaagat ctaccagcaa agttggaaat tataagaata acaatggaac ccacttattc 120
 catcgcatat acaacaacca taccatacgg gatcacttat atgtagacag 170

<210> 43156
 <211> 549
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910071d06d1
 <400> 43156

agaagaaaaat ctataccaac cagaggctgg gcattatatt atttattatt attgactcat 60
 tgtatgttga atacacatgt aagtataacg aatcaactac caaactccct aaggacgacc 120
 aaaaagaaaa agaaaaaaaa aatcctgagc accatgtaaa agagcagttg atggccaact 180
 gcttggtgta atggctagaa actcagattg cagatgaaat accgtaaccg ttacgatgag 240
 ctttttgcca tttccatgca acctgcaaac tctttctcaag gtcagtgtat tgtgcggtcc 300
 aattcagttc cctgttgatc ttagaagggg cactatacac ctggcataa tcgccgggtc 360
 gacgtggaag gtagtctact ttgatgtcca ccctgtggc ctttttgcaa gcattcacia 420

actccttcac tgatctaccc tttccagttc caacattgta gatccctact ttagcaggtt 480
 gtgccttctc aagagccttt acgtgagcat caaccaaatac aggtacatca ttgtagtctc 540
 gtatgcatg 549

<210> 43157
 <211> 460
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071d07d1

<400> 43157

gacaactcac aagtgaattc ttgattctta ggtgctatca caaaacaatt ttcatatcct 60
 atctcaggct agtgattgag gatacacaga tcatatttga cattagcccc tgttgaaatta 120
 caaaaaaaag aatttagttc taaatactac attttgaaa tgtgcaaatac cactttccaa 180
 tcgaacttgt ctgatgacgg ggtttgagaa gaaattctag aagaccgctc tcaattcaag 240
 aaaaaaaaaa ttcttgcctt ctcccgctac aataaaaaatc ttcaaaggta taataagtga 300
 tgataattta tgcaaacaaa tcccaaaatt cagcaaatgt ataagcaatt agcaagcaga 360
 ttcattaagc atctaacagc agacaagtgc agtagcaaac tactccatca ccccccttcc 420
 ggtagcataa gcaaccttct gcaatatcat aaattcagct 460

<210> 43158
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071d08d1

<400> 43158

aataacgaac aaaatgacaa ttaggtttat cacttcaatt ggcaaaagga attttttttc 60
 aacctgacgg tcaattttgc tatctcaatc acaatagatt aaacaatgca attaaatata 120
 tttttataaa taaaaatata atttgatgaa ggtgaaagtc cttgacagat tgaatatttt 180
 ccatgtaaga aaatcacact cgtaattagt tatacatggg ttgtacgtac gagaaaatac 240
 gtaaaagcta gcgatgaagc aacagcgctt cttccttttc tgctgaagct tgagcgggca 300
 tcgtataata tctatatgat gatatgatgg gtgaagggtg ggtctgcttt aatttcaggt 360

tggaacagat gctgttagct ttgctcttag atccttgccg aagattttgc ctgacgggtga 420
 cttgggaatt gcatcaatga agaatactct gtttattctt ttgtaaaaca ccacctgttt 480
 ggagataaac tgct 494

<210> 43159
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910071d09d1
 <400> 43159

aaagtattaa ctttaataa tatcatgtta tctgttaaata tgggggtatta tacaggaatc 60
 cctactaaaa tggacatcgc actacctctt acgaaaaaag agtaacctta gtgcatgccc 120
 cccaacaaaa tacacaatctt aaaatacatg gcagccaatc acgaccagct ggcagtata 180
 gcactacctt aaattatcat tccctcatct atgcgtagaa ttattagaca agcaaaacaa 240
 cactgcacaa tgcgggtcccc gccgacaaga tgcgatcttc agcacatata ggcacattcc 300
 acacgagcga tacatacaat acacccctc aaaaaccaac aaacaatcaa ataaactaca 360
 aaccggatat caaactcaat ccttgctggg tgaagtaggt ctctgggcac ccgggggggc 420
 cgggtggccta gggaaattat aatcaaattg catgccagca aagcgcggtg cctccacata 480
 ggggctctga gacgaaaaat caggacttg 509

<210> 43160
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910071d10d1
 <400> 43160

attggtaata gaaggaaaca gatatataga aacttctgtg ctatacatag cacatatatt 60
 tgataacaat catcattcaa aaaccacaca tgttcgacag aagacgaaaa agttgacatc 120
 aaacacacga tatttcagac actctaataa tcatcatctc cttcaccatc atcatctcca 180
 tcaccagact cgggaccaac ctctcataa tcttctcaa gagcagcaag gtcctcacga 240
 gcctctgaga actcaccctc ttccatacct tcaccacat accagtgcac gaaggccctc 300

ttcgcataca tgagggtcaaa cttatgatca atcctggaga acacttcagc cacactagtg 360
 gagttcgaaa tcatgcacac agccctctgc accttggcaa gggtcaccttc aggaacaaca 420
 gtaggaggct gatagtttat accgcacttg aacccagtgg ggcaccaatc cacaaactgg 480
 atggttctct tggtcttga 499

<210> 43161
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910071e01d1
 <400> 43161

attcttactg ttattgtttc gtgttggggg ggtgcttgtc tgtgtgttga cttgtttggc 60
 caaaaaagcc caacttttcc aggggggacca aaaaaagggg gatagcctca ggcgcaataa 120
 gctcaagatc gaagagcatc tgctgtctta aaatgtcata aacacactga aactggctcc 180
 aaaacaaatc ttctttgaaa acgcggatag atcccatgc ctgtattcta taaaagggac 240
 caaaaggccc acctgtcggt aaaaaaacc gaaatctaag cgcgggcgaa taaagctcct 300
 gtctggggcc ccgatcaata agatgggggg ggggcccgat tggacaaagg ttatccaatt 360
 tcaacaa 367

<210> 43162
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910071e09d1
 <400> 43162

catcatgcat tttttctttt cactttctcg gtgaagaaaa aaatcttttc atcacatata 60
 aacataccat gagcaacaac attgtaccga tcccttaatc atgccaaaca ggaaaaaaaa 120
 aaaaaaagtt ttaactgtcg ttttgagaat tgaacttcag aacttgtgtg gtggggtacc 180
 atttatactt gtattacaag ataaaggctg ggatggtgcc tgcgaggact tgacctctga 240
 ataaaattga ggggcattgc tacctggtgt gctgtgtgaa gtgaaacaaa acctttgggg 300
 aattgggttc atggattttg ttggaaagat ggcagttgat ggaaaagtat ttgaaattga 360

gaattttgat gatgctgcat taaagaacgg tggttctggg ggggcaataa cctggccatt 420
 tgtttggcac gccaatttg gaacttcttt tgaaggatc 459

<210> 43163
 <211> 528
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910071e11d1

<400> 43163

agtacaagct acttcaaata aatttcagt actacagtaa tcaaagttaa atcccatggt 60
 tccaaaaact tcctcaagt caagcctgt cagttataga gatagcatga caccaattca 120
 tgaatagagt ctaagcttct ctagtttcca ggtacacact atataacct cttatgaca 180
 gcaaaagaaa aaaataataa cagacccttt tctcttctcc taacagaaat aatatgaact 240
 ttaccaacac cttcaaacc cagctactca cacttgatgg accggtatat gtgacgaaca 300
 aagagcaggg aggcacggaa tcctacgcta ccgagcatga ggaagaagcc atagcagata 360
 caggccatgt aaccaaagaa gaacgaagtt tgcataaaac cagacatattc tgatcgtgca 420
 tagtagtaat acaagcaata gccgtagatg aacaagccag ttgatccacc acaaaggaaa 480
 gacctncacc accattcatg atcctcagca gcangttgga agtatgtc 528

<210> 43164
 <211> 307
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071f01d1

<400> 43164

gtgttggaag accttgaaaa acccattctc ttgaggggtt tgaagactac aattaaactt 60
 caatttaact gaaactaggg ttacccatt tctatttctt ttatgggggg tgggtgaaat 120
 aattaacacc ggcttcaact aagttttcat tattatgaac ctctctcttt aaaatgaaaa 180
 ggaagggaag gcccagggga tctggctctt cttatggaat taatttcaat tttatcaggg 240
 ggccactttt tccgtgagga ttcaaccctt tgtatggggg gcaaatgtac aatgacttcc 300
 agaccct 307

<210> 43165
 <211> 498
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071f04d1

<400> 43165

gtaggaacaa tgactataaa ttttcattca aaatagtaaa caaacgttta atattgtagc 60
 gaaatataat ggtacattca tcataattat cacacacgca caatttcgta gaacaattat 120
 taatgaacaa agaaaaacag gaattgaaac atgatgatca gtcccagatc atgactacag 180
 ctataacagc aacaccagaa agcacggcga caaacctaaa caagggagtg tcgtaacgca 240
 ttgtcctctg tggtttgaag cctttggaaa ttaaattgatt gatggcaaca tagatgaaga 300
 cccacaagc aatacccatt gttatagcaa acatccaatc tgcggtgctt ccttgtgttg 360
 tggcatctat ggcaatgcca atccccacac caatggggct tgagacagca aaggccaaag 420
 aatatgctgc tgttgttaca aagggtcttt taagtaacat ccttagcaaa gctattccca 480
 ttgcaatagc agcaaata 498

<210> 43166
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071f06d1

<400> 43166

ataattccaa tacatgcgag gccattatac catggagatc aaacaaatac attatcttta 60
 gtttcaccac caccaattat gatagataaa aaactgaggc aaccagaatt ttacaacaaa 120
 atgtgatgaa tagaaagcac tctgtacaca tttagcggg aacccttttt ggtgaacgcc 180
 tggaaaagca aaaagccata acgggcaggt agtttgggaa actgagattg tgtcttggag 240
 cataataaat aaataaagtt gttgttgttg ctgctgctgc taacagtaac aagaataagc 300
 aaagtggttt ttgttggaga cataaggaga gaggaaattg gaggcagaag cagatgtagc 360
 tggaaccagt atgcgtgttt ttccagaacc tattctcttt ccaactacat tcgcatagaa 420
 cagacctgaa aatgctggta cgaacacatc actctttgca cttacgtaaa aggcaatcac 480

tttctcaaat tcagaatcta gaaacttt

508

<210> 43167
 <211> 537
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910071f07d1
 <400> 43167

atcagaaact attcgtagta attttaataa aataaaaagt aattgtgaga tgataatggt 60
 tttttattct tttgcacgag accgtgcata gcaagctatg tcacagacat agccttaaaa 120
 ctaaaaacat taaagcagca cctaaataac agctgcaacc aacgagttca acatacactg 180
 gacataacaa cagagaattc aactaatatt ggacataaca gacagactca gaaaccacca 240
 cgaaggcgga ggacaagatg caggggtggat tccttctgaa tattgtaatc cgccaaggta 300
 cgaccatctt ccaattgctt cccagcaaaa ataagcctct gctgatctgg tggaataccc 360
 tccttgtcct gaatctttgc tttcacatta tcaatggtat cagagctttc cacctccaag 420
 gttacggctt tccctgtcag agtcttcaca aatatttgca taccaccacg aagcctcaac 480
 accaaatgca gagtggattc cttttggata ttataatcaa gcagggtacg cccatct 537

<210> 43168
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910071f08d1
 <400> 43168

atcagaaact attcgtagta attttaataa aataaaaagt aattgtgaga tgataatggt 60
 tttttattct tttgcacgag accgtgcata gcaagctatg tcacagacat agccttaaaa 120
 ctaaaaacat taaagcagca cctaaataac agctgcaacc aacgagttca acatacactg 180
 gacataacaa cagagaattc aactaatatt ggacataaca gacagactca gaaaccacca 240
 cgaaggcgga ggacaagatg caggggtggat tccttctgaa ta 282

<210> 43169
 <211> 498

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910071f11d1

<400> 43169

gtagtaccat gtttcaaaag tacttaatta aattagaatg tcaaaagtgc ttttaacttaa 60
acaaaattta ttacaaatcc cācgagctag catacataaa atatacatat acacgattac 120
aatattgcaa tgtcataata actgctgtaa aaacaaaatg tcataataac tctaccagtt 180
tcaacaaca cgattcctaa ctcaggcctt gtctacaggt caatatgcaa attatcaaac 240
cccataggt gatatttcct gaaatgcacg tcaagctttt caatgaccca agaactacaa 300
cgtgtagaca atctgacaat gtacatcaag gtcaactaaa cctgggttatt cgatgcttca 360
agctccagtt ctcggaaaaa tgtgcggaga cagccgttaa tgatgcgagg ggctgctcca 420
tcacaaaacc ggtagcaag aactaccgcc tcattaatga cgatttggtg tctcgttcta 480
gcattccat tttggaca 498

<210> 43170
<211> 537
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910071g02d1

<400> 43170

atattattat acacttgata aaagccataa ttaaagtgga acaaactggt acatgggacg 60
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acgagaattt tgttttggag tgaggggatt aataagatca acaccacatg tacaatatgc 180
atgtgtgtga aataattaaa acattgtaaa ctctttgcac aactatTTTT cgtagctaca 240
agtaggactc aattatggat gtgggggatg tgtgaatagc tctatgctag agggccatag 300
tgagttcaaa tttgatttct attcttgcac ggcacatagc tacaaggaat gcctatgacc 360
tactataata aactgatttt gccacatccc gtcttttttt tatacatgac cagatatata 420
ctagccttcg agtgaaggac acttagccag agctactatg agaagatgca ccttggtttg 480
acaaaaaac aaacgacaac gcacgttatg ttgtgagaac tacctcgctg atatgct 537

[illegible]

<400> . 43171

<210>	43172
<211>	541
<212>	DNA
<213>	Glycine max

<400> 43172

17338

ttaatgcagc ccgtggaaag aaaatcaccc agatgtttat gaagtagaaa caaagcataa 540
a 541

<210> 43173
<211> 548
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmro02910071g05d1

<400> 43173

aatactgaaa tctagatatc ttataattaa gtacattaca aaagcatgaa cccatgtata 60
gtttggagca ctagcaacac tttctaatacc tgtcatcaaa catagcctcc tttaaacaag 120
gctggtaagc agcaggaatg aaaggcagca cttcaatata acatgagctc taaattgaca 180
aaaataaact aataaactct actatcagtt cattaaatct gtacaccaaa agctgcagat 240
gttaagttct tttctgcgaa tcaaattgat gctaaaacat aaatttaact tgaacaacat 300
acagaagtta ggcaggacta gctgtcattc atcgtgaaaa atgaagtttc atagcacaac 360
tcagcaactg gtcactccat gtcaaaacaa aaattaacag ccgctcccgg aaaatggagg 420
tatagaatac agatgcatta gcagtctgaa ctataaatca aaaatcaaata caagatttca 480
ttctcaaact ggctaacttt tttatcatca gtcatcatcg nctgcttttc ctgctccaat 540
agtatatc 548

<210> 43174
<211> 565
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910071g06d1

<400> 43174

cttattccct gacaccagga ctcagcttgc tcgggcttaa ccacagacca attaggaatt 60
tcattagctg cagtgagtat ggctgcagca gcaatgcatg atggcctgta agcaagaaag 120
ctagcctctt ggatattaga tacgatgatt tctgtagccc gggaaatgag gaaccgggta 180
aaagttccag ttgaatctgc tttgcacgca aagaaaacga ggaagcaaag tgggggttact 240
gatcttagcc tccaatccaa gacaccaga acaagtagct ccatacctacg aattgttctc 300

ggttcaaata tgtacttggc accttctatc tgaaggtcca agagagatgg aacaagaggt 360
 tcctccattt ttgctgccaa agacaagcat gcaacagata gaagttgcag aggccaccca 420
 tttgtttccg gcaactggct agaatccaaa aaccgatcca tatagttgac ggcgaggtac 480
 gccgtcaaag gctgaaagcc ataatacgcg tgtaccttga gaatccatgc aacggattct 540
 tctctggcgt tggcgtcgag ggagc 565

<210> 43175
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071g08d1

<400> 43175

gggggttggtt ttttttatat tttctcttct cttttttttt tttttctttt ttttttttta 60
 aaaaaaaaaa cccccgcgcc ccccgataa aaaaaagaaa aaaaccctt tttccccta 120
 aaaaaaaaaa aggggggagt ttccccaca cccacaaaaa ccaattgtaa aacggccgcc 180
 ggggttgaaa aaaatcacaa ccaccttccg cccaagggt gagtgggtac cccccccc 238

<210> 43176
 <211> 467
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071g11d1

<400> 43176

gaggaacaat ttgcaatgat ctaattgaat tcaggtaaatt tttggttaata aaagccaaag 60
 ttgtgaaagt acaaaatcaa atatcacagc cattgcacta atcaagtttc atactcatc 120
 accaattttt tttggaatga ttgttactct tccatagcat ctccctcaat cacttccacc 180
 ttctccttca acggtgtaat ctttggttaag aggacctctg tctttttggg gaaatcaaag 240
 ctttttgat tgacataggt acgaggattt ggtagaagggt gggtcctgag atattcctta 300
 tgtcccttgg ttatcacaca aacatcaaca ttacttccac ttccataggtc attaaatata 360
 ccagcccata tcgcctcaac aactagctta atgccttcat cccttactaa actttccttg 420
 tacttagact caaatcacaga catttgagca agtgaacctg atcccat 467

<210> 43177
 <211> 425
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071h01d1

<400> 43177

gaggaaaaaa aaactggtat actgggtcca tttattgttt ttcatacatt ttcttgaaca 60
 tccctattgt aaattaaccg gtacataatt ttttattttt tttattatat tcgctggcat 120
 cataaatgaa aaggggttga gaaaaaatga gttatcttaa aactgaacat ccaaaattac 180
 aaaatgtcac cgcattgctgg aaatatttcc ttccagatct gaaacattat cacgcaaact 240
 tttatctgag actccaaatg gtacaccctt ggcattgatga attcagacaa gcctattgta 300
 atgtttattc aagctttgta ttcgctgaca cgcattccatt tgggtacttga ccacttatta 360
 cccttgatca ctggacaacc accatgtaag cttgatggat ctaaagttgc atctggcttc 420
 atgct 425

<210> 43178
 <211> 486
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071h02d1

<400> 43178

aagataaata atgtctagtt ttatcatgca caacagagta tccggtcaat catggaacaa 60
 ctaataaggg atgcaaaaaa actgcaacag catctttgga ttgaaccgca gctatcatga 120
 agtaaatagaa agcattgcgg actcctaagc ccgaaatatt cttttggcta aaaacaagtg 180
 atacattaca taatatgcaa tgatgtcacg ggatatgaat tatgaaataa caaacacaaa 240
 ctgtcaatta agacaagtcc attgtacatt acataactgg tgcaaaaacc aaactttgtc 300
 cacaagagat gaatgtgatg gaaaagatgg gtgggtctcca aagacagtgc gacttgatct 360
 tttcaagtag agcattgtca ttctgctgcg gctaaacatt tgcaatatgg tctaacaaac 420
 agcgactact tactacttaa aaaccaatca ggcagtgatg aactcagcac gtggcctcca 480
 taatcc 486

<210> 43179
 <211> 385
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071h03d1

<400> 43179

ggaagggggc aaaaatatat tttctttttc tcaaaaaaag aaaaattctt ttgtggcccc 60
 aaaacccaaa acatgttttc ccaaacaagg accaggggtt tcccccaaaa taggggttgg 120
 ggggatcatc aaaggaatac cttccaatca aaccaactt ttctttttta agacttttgc 180
 cccaaataac tttttttatt aaggggaccc cctcaattgc ggtgagaaaa taaaagcatg 240
 ccccgaggg caattaactt ttatttttgg gacataaaca tgggctttcc acagagtgtt 300
 tttagccttc cccccccat tgtttgagcc ctggacccat ttgtttgggc aaaaggggtt 360
 ccatcctgcc ccaaattagt gaaaa 385

<210> 43180
 <211> 554
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071h04d1

<400> 43180

gaacaataat atacatattc ctgtatatgt caacaatctt ttctatacat gtgtgatcta 60
 gaataagagc caaaaaatct cagacccttt taaggatctg atctattggg gcttgacatt 120
 tgatctgata agaatccttg caaccctccc ataaatatta caaaaccaa aaattctacg 180
 aaaaaaagg aagaaaaaaa tggaaaaatt gaacaaatag gacttctcat gtacttcaat 240
 tattaggtgt tgaatccacc actgcgttat gcctctttga aggacctgaa ggtggcaccg 300
 gccctttggg gaagaagttg aaaaccatgc ttttgtatgg aaaaccatgt tggttattgc 360
 gctttccctt gagaatctct cttctttcat tcagcttcat agtttggcct attcttattg 420
 catcacaaga accaataagt agcaagtaaa caaaaaggag aactagagat aaggttttgc 480
 atggaagatg caaggattta gaagaatggt aattttccat ggaagagaag cctatagggg 540
 tgtttaattg atgg 554

<210> 43181
 <211> 569
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmro02910071h06d1

<400> 43181

gtaaatggtg aaaacttcat aatataaggt aacaagaaag catgaagcac ttacataggt 60
 gttggaagat tattatcata tgtgatacat gatagaatag taaaacttga gcatctaaca 120
 gacttttatac agttcaaagc tctccgcctt ggagcacgag aatctccact atccacatca 180
 gacactcttg aagcatcggt cctcctccta gaagaggatg ttgacaagga taccatggaa 240
 tcaatctcta cagcagtgtc cagttgactc tctgaattta taacagcacc aatgcttgaa 300
 aaggaatctc tgtcttcaac tggaggagga ggttgttctt ggttcttacc taatggattg 360
 ctacggaaat atgcctcaac taacctttca gcggaagtta gtgctgatga aagagtagaa 420
 agtggtgctc tgtgtgattg tgttcttcga agcaaatggg actgcaccct agtccgggga 480
 tcccctgcct cagaagtatt aacattgntt tgtgccaaac ccattacatc ctctgggggt 540
 gccactagat tctgatgtc tctacgtat 569

<210> 43182
 <211> 362
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071h07d1

<400> 43182

ggttggggaa aaatttttta tccattaaaa aaaatcccca ctccaaaaaa acccaccag 60
 gaggcaacta caggaccccc cgggttctaa aaaaaggggg ggggagaacc cccaaaacaa 120
 aaaaaaaacc gagcaaaaaa aaaccccccc tcgggggaag aaaaacccaa cggggggcaa 180
 aaaacaaaag ggccccgttt tccccaaaaa acaaaatgaa cgggggacga gggcgaaacc 240
 cccgggggaa aaagggaacg gccccccacc cacctacgag tagccccaca ctctaaaaaa 300
 aaaaacaagg ggggggggaa aaaaaacaaa aaaaacggaa aaaaaaaaag gggaacccaa 360

<210> 43183
 <211> 445
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071h08d1

<400> 43183

aagcttaaat ggaactaaaa ttctgggattt cctaaatgat tagtttggga caatcatttt 60
 cacttgcccc gaaagaaaaa gatataacaa ttttgactca aaagatacca tttactgcaa 120
 caaactcaat tggagttaag agtaagagag acatcatata atatgcaaaa ctttaagaaa 180
 aaggttcata tcctcagcca attacattta ttaaaagtag ggactatgtc cctgtgttcc 240
 ttctggccaac acgagcaaca aaaccagcct tgattggagc aactgatctt cctgatccac 300
 acttttcaca ccggagaaag aagagacgat tctcctttgt aagtatagta tccggactct 360
 tgcacccaag gcaaataacg tattcattga catatcgtcg cagaattcct tcaaagttct 420
 ttggtgcaaa cctttccttt acaac 445

<210> 43184
 <211> 417
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071h10d1

<400> 43184

ccaggga aaaaccccc ccccccgta aaaaaatttt gggggcccc ccaacaaagg 60
 ggaaaaaacc gggagggggc ctccaggttt aaaagctaaa ttttttaaac ccccttcaaa 120
 gggctaaaaa caaacgggcc ctcccttggg aaaaaaaaac caaaaatagg ggggggggctt 180
 tttcaacccc aaaacatggg cccccccctt cacctttttt ttcccccaa aacccccccc 240
 cccaaactta aaggcccaac ccggggggga cccccgggtt ttccccctt aaaaccttta 300
 aggggggtcaa ccggggggcc cgaaattcct cccgggtaac acttttttaa ccccaacctc 360
 tccctaaata ttaaaaagggt ggggtttatta tccaagcccc cccccccggg ggggggcc 417

<210> 43185

<211> 411
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071h11d1

<400> 43185

aaaaaacaat cttataaaac ataatttccc cccccccgaa aaaaaaaaaa agccaaagga 60
 attccccaaa ttaaaaaaaaa aaaaagacct tggtttattg aaaaactgaa aattaaaaat 120
 aaaatcccc agcttttttta aagcccgcat tatagccgcg tttataatca ggggcttcag 180
 aaaccatttt tccaaaaaac atgcccccca ggggccacc aagcaatccg gctcccaatc 240
 ccattccaaa tttgtttttt tttggttttt gagcccgagg ggggtcccca aatccaggcg 300
 gggggggggt tccaaaaccc ggtggagggg ggggaaatcc cgcaccacca ccctgggggg 360
 gggacccaaa tccctggggg ggggggggtt caccataccc ccgggggggg g 411

<210> 43186
 <211> 443
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910071h12d1

<400> 43186

atactaacac aactctcttt attaatgaca aatacagaat acattcagcc actccaaata 60
 catgacttaa gcatacacia ctgattaagg aatctggttc cttcaatttc acatttattt 120
 aaaaccagga acagtactta agcaaccata gggtccttag atagagatac tgttggaat 180
 tctctgaaa gtcaatccct cctcactaga aggatagagc agagtgtgag gcatttttagc 240
 tggcccatag cggtttttca atgtctcacc tttgttcttc tctataagct tcttttcaat 300
 ctcttcaagc ttctttccaa acctcttaaa tgcttctaag ggaccggcat cagaagtcca 360
 gtagtcacca ccattctctt gcccaaggta gaactcatca gatgcgtgcc ttgacaagat 420
 ttctataact gtaagggtcaa tga 443

<210> 43187
 <211> 493
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910072a10d1

<400> 43187

ggcgatgaaa attacttttt tttattctgc catgaactat cattatacaa cataaacgtt 60
actacaaacc cagtaagcac attgcattta caataatcaa gaaattgtta caagcaaata 120
tggtctcccc aatccaatgc accgagagca tagggccaga atcatttctt ccgtcatctg 180
gttctcgagt atatggttct cttgtataaa gaatggacca gcagaatatt ttggatggtt 240
tgtgtttcag agtccaaatt gaagttcaac ctcagaggga aagaccacaa ggtatactgg 300
ggagatgtgg aaatattttg gttctatagc tatttacaat cttacttaa attagtctca 360
ttcttggaga tccaccaggg ggtgtattgg ctctgtatcg agatgtttca tgccaaggat 420
caagagcaaa cgtggcattt gatgtcattg gatatgagga tctgtcatca aagggttaact 480
actttgtccc att 493

<210> 43188

<211> 576

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910072a11d1

<400> 43188

aaataacccat ctcagaaatt ttggatatat cattattcat acataataat ttcaaggaag 60
tatatacaca ctaaacttgt gaaatcccaa gaaaacatag ctcaggaaag aatttttagtt 120
taaaacattg agttccagaa tcacataatc ccaagcaaaa tttacgggtt tctaagagcc 180
gccaaacgct tctcaagttc ttcaatgcc gagctgctat cattttcagc attctttgat 240
gcgactctcc ctttgggagc tgctgataac tgtgaggcaa catttacacc aatttcacg 300
agcacctggt ttgtcagctc ttcagtctcc tcttcagctt catcattatc caaggcatca 360
tctatggcat ctgacatcat ttcagtagtc atatccatct gcgctgattg tttctggaag 420
tcttgtataa tcttagcttg ctttgccggt tccattttct tattcatagc tgccattgcc 480
ttagtagcac ctttcaagcc aacagcaaca gaagaatgtg catgcatggc ctgagtgtga 540
agtgcctatgc ctcttatctg agctcgacta ccttga 576

<210> 43189

<211> 561
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910072c10d1

<400> 43189

attcaaatga ttccttaata tgtaatttc ttttcttttt gggccaatt tttccctgg 60
 ccaatagggg ccggcaataa gataatgtag ctaaaagaaa aataaataca gaaaaaggca 120
 aaatctttca tcctatacaa gaaatcacca ctagtattcc gattgcttga atcgaaatct 180
 cctatgttac aatgaaatta actagttttc cagacccctt gcatcaacta gcggagatgt 240
 cttggcaggt aatattttta cactccttcc agaactgaga aaaaaattaa aactgtatgt 300
 gaatcattca ttgcggattg aataatattt atcccagaga gtttgtgatt ttgatatttc 360
 gttcataaga ttcttgaact tgacactgca atcttctaca cttatgcggg tcaaggatgc 420
 aatagctcgg agtgcacttc gaatcatgtc ttcattgcga tctacttttt gcttgacagc 480
 gttttgcttt ggcttaaaat taatagttct ttggagagga tcaaccaatg aatcaacact 540
 gtcaagactg cagaaggaca c 561

<210> 43190
 <211> 490
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910072c11d1

<400> 43190

aactcaacc ataagttagt ttatggaatg atagtttatg gaatgagtta tctcccactt 60
 agacttattc aaccataata gcaagactga ttcaaccata gctaatactg ccacgatgaa 120
 aaaatccgtt gaaattatgg cgaccaattt ggttttagcaa aaaaaacaaa gcacaccaga 180
 aaaacatctc ctgctaattgc tatacttgat aaactacggg tctaacacat tgatcattac 240
 aaccggtgag tttcaagaac tgaaatcaga gcaaaatttt caaaggaaac taattaaact 300
 agtaaaagaa acccagcact ttcccaccaa cattctttct cctagcttct tcatgatcca 360
 tgatgccagc tgaggtagtc aacacaatat acccaaactg ttttgagggg agcaacctaa 420
 cagtccaacc ttttaatttct ttgacaccaa catcaaaacg cggactaata accccacatt 480

tggttcagtct

490

<210> 43191
<211> 219
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910072d10d1

<400> 43191

ggctccaaac aaagcgcata aattaaaatt tatttcaagt tttttcttcc aaatatttaa 60
atgagtcctt attggacaca attttttccg gacatttttt ttcttagggc atttcattat 120
ttataaaccc ccccaaagaa aaccatttta aaaaaaaaaa aaagccttgt cacccttttg 180
aaatttgggg tttttaaaaa aaaaaaactt ccatttcct 219

<210> 43192
<211> 549
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910072e08a1

<400> 43192

ttcgcaaccg actgcatctt ggatacggga acattgtgct tatatgagct ctcgggcagg 60
caagggaacct gctatcagaa gttaccggcg gagaaagaca gctttggacc ttgaccttaa 120
ccgtttaccg gctggtgaga atcgtgagca ggagggaacct tcaactcagg cgggtgcctca 180
agaaattcaa cttgaacagc agccacaggt tactcaacct ccgatgattg acgtggaagc 240
cattgatgat gatgttgttg aatgtacccc aagggttttt gctgaggcta aaaacaattc 300
aagaagaatt cgtaggagga ctgtagttga tattgatcta gaagatcaga ctaggcgcaa 360
caaacgccga agagaattgc caaatctgat tattaattgt gataagtata taaatttgga 420
aggcagtagc agttccatgg ggggaagtgt taaaaagaca cccgaacctc caaggagct 480
tgtcttcaac tgtccaatat gtatggggcc tatggtacat gaaatgtcaa caagatgtgg 540
tcatatttt 549

<210> 43193
<211> 450
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910072e10d1

<400> 43193

gaaataacct ataatcaagc cgatgtgtta aaaattggat tctcatgaca gctatgcaac 60
 cagaaaagat ttacagtaaa tttgaaatac atatgacata agacaccttc acatgatgga 120
 aggtctttta aaatttcagg aatagaaatt actttgtgat tgattacatt acatttattg 180
 cagaagttat cacaagacac acgggaactt ggataagccg taggaacaaa ctaaagtatc 240
 cataaacctt gctctgagtt ttccaaccag gttaaatgca catgcaccca agtgaaccaa 300
 tccgaatcct ttttgcttat tatggcggta acaacacaac cctgccgctc ttcaccagat 360
 aactcccact tgtcaaattt cactagccat gtatctgaac ctaacgggtgt agccaataaa 420
 tcatccaccc aaatcctgaa ctgttttccc 450

<210> 43194

<211> 531

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910072e12d1

<400> 43194

caataaaata gattcttcat agattagaat cattagacat tatttccttt tatgatttgg 60
 cacaatattc ttccttcaac attatgaaaa ttgctaacat atccaaattc taagtgatat 120
 atagcataaa tatgataagt gattttattt atgatgctcg tcatcatcct tcaagaactg 180
 attttattta tgatgctcgt catcatcctt cacaagtaat agcataaatt ttatttataa 240
 aattccacca ctgatagaac cgacggtgag tctttacatg caacatgaaa tccagaaaat 300
 ccagaattcc tgcacaagct ctcaaattct ttctcagttc tttcctttcc acttggttact 360
 aaaaacatga gactatcagc aacacaagtt tgcatagaaa ttttgcttga atccggaact 420
 tctggaatta tatagtctat aacaatcacc ttcccatggt gaggcaaagc tttgtggcaa 480
 ttccttaaaa actttcacag tcttcgctta ccaattgtga catacaagct t 531

<210> 43195

<211> 562

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910072f10d1

<400> 43195

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aaaccataaa ctgtttataa aacttcgtta taaattaaat gcgacttaaa acatccctca   60
gcagcaaagg aaatggacta aaaccctata gctgcttggt aaattcgaaa tatctcatatc  120
tcttcttacc atcaaaacaa aaaacagtac tcatcaaaaa caaacagcaa tgaaaattga   180
ccaccgccga tcaagaacct agttttgaaa gttacggcta catgaaatcg gcagaaaactt  240
aaaaatataa cttaaacaaa acacctaaga ctctgcaagg ataaaactac tattaaggag   300
taaccacgat gatgatcaca tgtgctagca aaattgcccc aatgcgatca ctttttcttg   360
ggagcggact tggagacctt ggctccggtg gggctcttct tctcaacact cttgatgact  420
tcgcagccac agtttgacgc atgtccctac cagaaaacga ccaaggggag gatacttaga   480
gaaagtctca ccaccatggg cttggtggga atcatcttaa ccatactgc ataaccattc   540
ttcaaaaatt tgggctcctt tt                                           562

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<210> 43196

<211> 359

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910072f11d1

<400> 43196

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ctattatatac aaggatatact tttttgtgca atgggtttta caataaatcc tctctctcta   60
gactctacta aaaattaaca ccttaacaag aatcccatct ccaccctaaa agggaaaacc  120
aaccctttgt tatatcactt ggaaaaacaa tcaaacata tggtttctca tatatcaaga   180
caccataagc ctaacattga ataagttacc catataatta aacatacaaa atgctcttag  240
atgggtcatta tcctagagat taataagtta tccactctg cacggtgata ccttatctct  300
ccttcagaac caatctgggc aataaatagc ttccattttg tccatatact ttggaaatt   359

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<210> 43197

<211> 421

<212> DNA

<213> Glycine max

002280"ETTES60

<223> Clone ID: jC-gmro02910072f12d1

<400> 43197

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tccttgccct tggggtaaac caattttggg ccaaatttat aggggaatta tggggttcgt 120
tgggctaata gagttctcca aaaatttaca aaagaaaaaa aaaggggggtt ttctaagaat 180
ggtttaacaa agaaatggc aaccatccac gttaaacagg aaccggaaaa cccttttttg 240
gcttgctttc caaaaaattg ggggggggtt ggcctaagcc cccaattggg ggggccatt 300
gggggacctt ttgaggggta ttcggaaaag gtgttccagc ccttaacctg gataaaagg 360
cccccatcc ttttctcata aaacattttg ggagcttttt ttcgggcttg gggggggggg 420
t 421

<210> 43198

<211> 564

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910072g10d1

<400> 43198

aactgcggtt gaatcaataa accttgatca aatattgtct cccgattcaa ttgtcagtcc 60
aatttttaaa acattagtta aacctaaaat actagttata attacagtta aagcttaata 120
ggttggccta atcattatag tagaatcact ctaattagta tatccatgtg attcaggatc 180
caaccaccag ctgaatggct cagcaacca aaagaaatag aaaactcaca aaatgaggca 240
ctgggaaaca ataatagtaa taaatgggaa ccaaatatag aaatctagat tacatgattt 300
gtggaacatt gagtagtaaa accagtcctt catatccttt aagtttcact tttccccctt 360
tctgtatatc tcatgccaat ggtacaggag ggacgagcca ataattgggtg taaccatcaa 420
aaccaactcc actttcattt gttgagaaga aaaaattttt cagcttctgg aacctatcac 480
ccaaacagtc cctcatcatt acctttccta aacatatcat catcttgatg tagcacttga 540
cttttcttca tgtgtacagg actt 564

<210> 43199

<211> 477

<212> DNA

09531113.032200

<213> Glycine max

<223> Clone ID: jC-gmro02910072g11d1

<400> 43199

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cataagagta ataatattha agtaacaaca agatggctac actgatatag aaacacacaa 120
tcacaattca caaagctaca tataatgggt aacatgcaag tttttattat atattattat 180
tattatgtat ataacacata ctgacctgc caagcttaaa atattattta gttctactgg 240
gcctacagga ttacatgtga agaaaattgc agtgaaaccc tttttcggcc aaaggaactt 300
cacatgatta gggggggggcc aaccctttha gaaggaaaat aaaagagtcc tgatagatga 360
agatgatgag gaggtttcaa gctttaagct gtcattttca ctggcaccaa atagagatat 420
caggctgttt ttgaagagca ttcattcccta ctactcctdc ttgcatatcc tccttga 477

<210> 43200

<211> 535

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910072g12d1

<400> 43200

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ggccccgttg gcatttatgt atatttacaa atttacaatt ctcaagtga atgtttgtcc 120
caacagcagc aggacagaac aggttaatat ggagatagaa ggggcaaac tagtgaccat 180
tgggcaagtt aacaccttct ctgaaaagga tgctagctac tgaagatgtc catgtagggc 240
tgctagtgtc agcattctgg ctatctgtat aatgactttc actctccatt gcagtaacat 300
taatgttcct cccaaacttc tttccaattg acattcctag tttcacagca gtaagaaggc 360
caaatgcaag tagcacaggt ctaactgccc agtggtgatc ctctacatgt tgatacttct 420
ctatcatctt tggacaattc ttaaaattaa cgacatcaac cttggaggga tcaaccaaga 480
cggtgcttgg tgcattccaaa aagttcaaca tgcttgaaa cttgacacta gacat 535

<210> 43201

<211> 601

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910072h02a1

<400> 43201

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gttcattcca acctaccctt attcttcttc ttcaattcca taccaccat ggaccgtttt 60
ccgatcctct ttctctcgc caccctcatc accctcgct cgggtgcccg ccacgatatt 120
ctccggttac cctccgaagc atccactttt ttcaaagcac cgggtggcga tcaaaacgat 180
gagggcacga ggtgggcccgt ttttaattgcc ggttccaatg gctactggaa ttacaggcac 240
cagtctgatg tttgccatgc gtatcaacta ctgaggaaag gtggtctcaa agaagaaaat 300
attgttgtat ttatgtatga tgacattgct ttcaacgaag agaaccgcg acctggagtc 360
attattaaca gtccacatgg aaatgatgtt tacaaggag tccctaagga ttacattggt 420
gaagatgtaa ctgttgcaa cttttttgct gctatacttg gaaataagtc agctcttact 480
ggtggcagtg ggaaggttgt ggatagtggg cccaatgatc atatatttat atattactct 540
gatcatggcg gncccgagtg gctagggatg cctactaatc catacatgta tgcactgat 600
c 601
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<210> 43202

<211> 411

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910072h09d1

<400> 43202

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tatatgcttg aggtgtctta attagttcct tgatgcatcc aatatgatat ccaaagtaac 120
tacaaactag ggcgaaaata ctctttgcaa gcctaactat ccattaatta atcaaata 180
tgacttccaa atatttgatt attacttttt cagtatctat actgaatact cttaagcttc 240
tatgtataat aacatgtcta gctatttgca tgactgagac aacataatgc ttgcgctttc 300
actcatctca ggtctatgcc ttttcatctc cctctctcct tgaacatcta atctcactcc 360
aaacagcatt ggccttaçat cctctttctc ctcttttgca tgtgatgaat a 411
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<210> 43203
 <211> 110
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910072h10d1

<400> 43203

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 cctcgttgct accaaaagat atccatcgta cccacaaacc tcggcaaaaa 110

<210> 43204
 <211> 518
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910072h11d1

<400> 43204

gctcaaacca tgatttagag ctccctaaca gaaagagaga gaaaacaaag tgctgatttg 60
 tagtatcaag catatcaaga aattaagctt gtgcaagatc atggctgggtt ggggccactc 120
 tctatttctt tagccaattc tcttgtcagc ttgtcagcac gatcatcatg tccaccagca 180
 aatgtataga cccgaaatgc caattggaaa gccctccaaa gcaacttagc atattctttt 240
 ctttttccat cactaatgtt tgatcctgaa cctctggcag cagcatcatt gcgcctttcc 300
 ttagtgctag ctccatgcaa ttggaggaaa catccaccat tgcttctttg atttttataa 360
 ggatgtggaa gtccaattcg atgttggtgc ctttgaattt cttggattct tcattctttg 420
 ttcgctcaa accatctaatt tctgttttta tcttattgaa ataacgttca accttgtaa 480
 ggaactgacc catgggagtc actatattcc aattttga 518

<210> 43205
 <211> 332
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073a02d1

<400> 43205

cttggtcatt atatcataaa taatggcgta ttaccaatcc acatatttta atcctttttg 60
 gagaaccagc aaatccaact aatcagctag agagctacat acttattagg gcctaaatgc 120

taactatcac caaatTTTtac ccaaagagaa caaccattgt catcaaataa ccataacttc 180
acaagccact taatttcaac aatgtaagct ataaaaacta aaacatgact caaacaaaaa 240
agctTTTTTtc tttttatcgc tctttgaggg agggctTTTtc agagccagaa tgggtctttt 300
cccaaaactt gaactgcaca gatctttgtt cc 332

<210> 43206
<211> 534
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910073a03d1

<400> 43206

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aagaaaggag tttagatgca acgccgatcc ttgcaagtgg aacacaaacg agactatgtg 180
cccttggaac tgtgaggcca gctctctctt ccattgctaac tttggcatca tcacctttca 240
atatttgtcc ttgagggccc agcacttgca ggtcaaagca ttggataaga gatgcaagaa 300
gtgttgccat tcttgaagta gccaaattga caccaggga catttcttct cccagaccca 360
aatgggagga gttggaaatg cttgccccta aatcaagaag ccctgctttc tcttcaacac 420
cagtttttaa gaacctctcg agacggaatt ctgatgggct gtcccagtat ttgggggtccc 480
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<210> 43207
<211> 441
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910073a04d1

<400> 43207

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ttgtttgtct taactcttgt tgtacaatag ttatcttaaa tgtttagtgc tacatcagat 180
aatagcattg actatccaaa caagaaaaca aaaatgcttc actattttct cagacaatct 240

tctctctggc accaacaaag ttgtgaagat tttcccttga agattgggggt tgaagaccac 300
 aaaaattata ggagagggac ttgaccactg gctttgaaat caagctggaa ccctgatggg 360
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<210> 43208
 <211> 485
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910073a06d1
 <400> 43208

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 ttatttatct acaattttta aggacgggta taaaattaca gaaaggaagc attgaagtct 180
 gtatgaaacg gatgggtctca tatcgtgata aagactaaca gaactattac aatacacaat 240
 tcgctaaagt gaaatgccac attgcaactt gccacttaac acaatttgca gttcaggtgc 300
 gtcgatgttc ccttggttta agagcttcaa tttccctcat cacttgagct ttgtcggtt 360
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 cttga 485

<210> 43209
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910073a08d1
 <400> 43209

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 aacggatatg aactcgaac ggtctggtct cccagggaa taaagcaagt acctttcttt 180
 ttccacatgg acctcactgg gaggtttgac acgctgggac attcgcctat gatccaacga 240

0953113.032200

<210> 43210
<211> 541
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910073a10d1

<400> 43210

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ccagaagtac attgtcatca tttcatttgt cgtcttctcc aacctcactt agccactatt 120
tacatatctc taccctcaaaa cttagggtata ataatttacc ttagaaacca aacctataa 180
gtccttacca aatatcatca ccttaactaa ggttgaaaaa gagccttgct tattttgcta 240
cacgccattc ttttgatcac tgcaccatca actatttcac aggggtctta tttctacttc 300
ttcagccttt tccagttctg ttggactttg ctatatatac aaaacgctag aaaccactac 360
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agtattggac tttgatgaaa cgacgtcgaa acacttgctt tagtatacta tgggtattttt 480
atacctaagg gcattgtagc caataaccta aaaataccaa ctatctaata ttctatgatt 540
a 541

<210> 43211
<211> 343
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910073b01d1

<400> 43211

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acccccaata cttttccctt caaaaaaaaaa tgtgttttct tctaacaccc gggacaaaaa 180
aaaaaaaaacc ccccccttc ccctcaaaaa aaataaataa aaaacaaagg tgacaacacc 240
ccctcaaaaa aacaaaaaaaa aactcccccc gggtaaaaaa aaaaaaaaaa taattttatt 300
aagggccccc acaaaaaaacc cccacccctt ttatcaccac cca 343

<210> 43212
 <211> 302
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073b02d1

<400> 43212

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 gaatcggggca cagattttcac tgccatctta ttacataaaa ctttcttata ccaccaacac 120
 aaccttctaa ctgaatctaa attgcactat atattgggtt cactagactt gaaaaacttt 180
 tgttctcaag tccaagacct aaatcccca gaagaaaaat cgagaaggag aaagaaaaaa 240
 agaccatcac aaaaaccgtg gggaaaacca aatccatagc agctgctgtt attaccatt 300
 tc 302

<210> 43213
 <211> 495
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073b03d1

<400> 43213

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 gataccctac acagcagttt ttgagaactt gtaactatga tgaaaattgg tcaatgctca 180
 catcaaccga catttcctga ccaattcata taattatttg acaacaatga cacctcatgg 240
 gaaccatttt attcttcac acttcacaaa gttttggact tggctggggc agaagcaact 300
 gataacaaga tattagagac gaaacaaatc caaatgcccc agtcacgcga ggagtaactg 360
 tcttgggtgc caattgaagc agtccaactg ctaccactgt ataaattcct gctttgataa 420
 gagatagagt tctctcattt gacttggtta gtttggcacg gtattgctca ttatcatatt 480
 tattcttggt cttga 495

<210> 43214
 <211> 399
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073b04d1

<400> 43214

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 ctaacggggg aggacattat ttccaaagcg attactttgc agagccattt aaataaaaaa 180
 aatcccatg gagaaatcca actcaagcag cagtacgtaa cgtagtcctt agatggggat 240
 atgctggagt gtcccagtc cactatcttt tttagtcaaa taaacccgcc tttgacctta 300
 ggtgctcctt gaaacatat ggacacttcc catctgggtca cagtttgaac agcacacacc 360
 ccttatttat gggcaacctg atttatgagc cttaaatca 399

<210> 43215

<211> 484

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910073b09d1

<400> 43215

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 aaatccttgt gtgttattta gggtagcttt aagaaaataa aatgagcaaa ggcaaatgaa 120
 acagagaatt cctttttaat gactaatatg gcagcaacgt gccatattca aattcttcca 180
 ctagttgccc atttcatttt gtactccttt aacagctaca gcttgctgaa agcatgacaa 240
 ggcgtattgc acatcacttg ctgatatttg gtgatggaga acaactctca ttcttgatga 300
 actctcttgc atcacaagga taccacgttc ttccatgtac ttgcatatct tttctgctct 360
 agtctttgta ccctcttcaa tgtcaataaa taccatattg gtctccacag aacaggcatt 420
 cactctcaat tctttaactt cgtttatcca tcagccaaaa gtctagcttt cttgtgggtca 480
 cttt 484

<210> 43216

<211> 454

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910073b10d1

09531413.032200

<400> 43216

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aacaacctgg ttcttcaaaa ttggcctaata gcccaaaacta agctcaaaat ttatgggcgg 180
gagtgttttt taatggccgc ccctgtctgt taagtttcaa tcattttcttc aattatctct 240
ccttggtggc ccccgacgtg caggggcaga agaatcctcc ttttttttg tttcctcatt 300
ctcaccactg gcttggctag ttgcagtttc tgggtgggtct acgtttgtgt tttccaccct 360
tgggggccttc tttttccac caatatgagc cttaagaaaa ctggcacgat gaccaccaca 420
acggtttcaa caattccaac agtgagattt ggggt 454

<210> 43217

<211> 446

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910073c01d1

<400> 43217

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agtactataa acagtcaaca gataaggaac caatttgcag ctcaagatag tcaaccattg 120
ggtcactgta ataactttta atgaataaaa tgaagtgatt tccaaatttt tttcaccctt 180
gggctctcaa tcaatgacat aattaggagc cactgctaaa attcggtaat ttcttggtgc 240
gcctgggggt tttgttgttg ctgccgggc tttccatta tctacaacta tcaaattggc 300
ctctctccga attaagctct ctataatagc tttaattttg gaaatttttag cttgcacctc 360
atccatcgaa ctgtagtgtt ttctctcatt ttgtggggct acgtaccatt gaatcaaatt 420
tttttgctc attccaaaca aacgt 446

<210> 43218

<211> 335

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910073c02d1

<400> 43218

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 catctatatt ctgaaggtag aatcatgcta attagatcct atagaccatc acctagaaat 120
 atgacacagg attggatgcc ctgcagcttt gaagtcacat taaaacctct gctcggaaaa 180
 cctccctgcc cgtttctctg caggtgcagc catcttaagt ctctccatct ccggcatcga 240
 tacaattctc accatggcat ttgcatattc ttcaacactg gaggcaagaa atcctgtctg 300
 ctggccttct tcatctaata caatgtccat ttttg 335

<210> 43219
 <211> 420
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073c05d1

<400> 43219
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 ctttgtcaat aaattaatcc tgacttattc tcattgaaaa catgtttacat tgggaaaacg 120
 agacaactca aaagtttaca tctctcctat tattctttga tgtgggagag acaaactg 180
 taacaaaaac aatgcaccag taattagccg agaagcagca atgttgcat tgcagcaaga 240
 agaacacagc cctacaaata actccactgt ggacttggtc caaccttctg gttaaaagct 300
 ctctaggact agtaacgaag acttttctgc ttcaatctgt tgatctagta ggtatacaaa 360
 aaaatgaaac tagtggtaca ctgatttacc ttgacatta accacatctt taggactcct 420

<210> 43220
 <211> 470
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073c06d1

<400> 43220
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 aaacacataa tgctcggagg ttgcctatct tatgtgataa aataaagtgt cgtaacactt 180
 cagaatttca gttacaattc tagtcatctg aaacatactt tgatgcaata atataatctg 240

caatgctaag aacaggacta gaccagaaca cacccttcca tcactttaac agccttccca 300
 cgcaaaagca ccctttgggt ctgctcatca agatgaacat tgagaactcc ccctctgggt 360
 gatgcctgat aagctttgaa atcacacttc cctagcttct tgctccaata gggtgccaat 420
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<210> 43221
 <211> 539
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910073c08d1
 <400> 43221

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 tttatactac aattttataaa ataaaactaa aacttaagaa aacgccattt attaattatt 180
 agccttctag taaattaagt gacggttggg cacaacgacg tcgtccagca ttcacaggtc 240
 atccatgttg tcccactcag caccaatgtt gttgctaaca ggcagctcat tctccaaacc 300
 tagaaaccat tcaatttggt tcaggtcgag ttcgtcgttt cctacgccgc tttegccggg 360
 ggatccagtg gtggaatgtg agctgctgct gctttcttca gtgatgatgt cagggctgag 420
 gcagcgttgc tttttggagg gtggcggaac ggcggcggcg gcggaaatgg tgggtggccg 480
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<210> 43222
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910073c09d1
 <400> 43222

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 aaacatgaac caaaacctcc cctccctca aaacagtcca atttattttt ccttttctct 120
 cgcttctat aaaagaagct ttatgcttaa acacctacct tctctctttt ttttctattg 180
 gctcaacgcc ccaaaaccta cttctggaaa ttatatataa agccccggcg tcccaatctc 240

242

aatcaaatca	aaatTTTTTc	gcagggggaa	tcaaccaaaa	tatattggta	tatcttacat	60
cttcacaaaa	aaaaaaaaaa	agttgttccc	aggggggaat	ttgacaaata	ctatactatc	120
tcacgcttag	gcatttaaga	gttttctgat	tcctgctttt	tgctcttcag	ggagcctagt	180
tgggaacttg	atgttaaact	ttatcctcaa	attccccctt	tttgatggat	cttttgggaag	240
tggcattcct	tctcttgga	caaccttttc	ataagtggga	tgaataacat	tgttgattgg	300
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tgcaagagaa	atcttctggg	tgacaacaag	gtcatttccg	gcacgagtga	agacgccatg	420
cggTTTTTtc	gtaatgatga	aaacaagggc	ctgaggcatc	acgtttgggt	gttcattttc	480
ct						482

atggcaaaaa	taaggaaatg	aattggtttt	cacatttggg	ggggggaccc	ccactttttt	60
tatcagcaaa	acacattttt	tggttagggt	taaaaaactt	tgaactaggg	gaacatatta	120
tccactaaaa	aatttatgcc	atgtttttaa	aacaaacctt	aacaaaatgc	attttgctag	180
aaattcttaa	caaaaccctt	tttaaaaaaa	tagtccgtgg	aacctaaaaa	taaaaaacia	240
aaccgggggc	ttcttttaag	ggttgccctc	cccctggacc	tttttaattt	ttttt	295

17363

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073d03d1

<400> 43225

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ataccaaagt actaccctta acatactcag taaaagccag agcaatcaaa cccaacatag  180
caaatttccc attccacagt tttgcatttg aggacatgaa ccctctggac ttagactcca  240
cgctgacacc ttggaagagt ggaatcaagg aagcaagggt aaggaccaca cttgtcccca  300
agaaccatgg gatgccacca ttggatattt gttctaacac accttgccct ttggctactt  360
ccactggcat tgcagccaca aaccaatca tggccaacct ttcattgatc ctttcaggtg  420
ctggcccact gaatgccaac acattaataa aacttagtgc tcacttttgg tgaaggagca  480
aaaactggct gtggcttggg ttctact                                     507
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<210> 43226
 <211> 166
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073d07d1

<400> 43226

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ttattatgaa caattacttt ttttaaaaat ctcataacat tatctt                    166
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<210> 43227
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073d08d1

<400> 43227

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aaataagatt tgacaagttt taaaacttgc taaagttttt atgaattaag atatgaattc  120
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accctgcaaa tttcctttac agcgcttct cttgaattaa ggttcattaa aattacccta 180
caccttatat tgctccagt tttcaciaag attttttttt attttgaaaa tatgttaaga 240
cagcactggt tggttaattct tgggagatcc caaacaacag acattcttgg aggtcccaaa 300
caaaatacct agcagcaaaa ctttggtttt acataaattt attcaagggg aaaatcttct 360
acctaactagt ctttaagtttc caacaaaaac ccaacaaaaa gcccataaag cattaataat 420
tgtgaagaaa aggaatggaa gtcccttttt gccagctttt tttta 464

<210> 43228
<211> 476
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910073d09d1

<400> 43228
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taagcaatca tacaaccca agttacacaa aagagaatac ttctagcaag cattctgcta 180
ttacaacatt cgctagaaaa gataagcatc tttctccaag aaccgccaga ctgcgatgaa 240
atcaccagac aagacaaaaa tttttcaaat gtctcatgct ttgctggcaa tgttggttaga 300
aagccagtcc aaaccctcat agagaccctc tccagaagtt gcacaagtgc tctggatata 360
ccagtggcgt tgacggagtg aatgaagtcc aagcttgta gttatttctg cagcattcat 420
tgcattagga agatcttgct tgttggtgaaa aacaagcaaa acagcatctt taagtt 476

<210> 43229
<211> 484
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910073d10d1

<400> 43229
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aaatatatga atccccacag ttttagtccc caatacaaag agcactagat cgactcacca 120
caaaggaaca ttcttagaat agcacaacc ataaacaata aaacactagt aatctagtca 180

ctatctatat tcctgaaatc agaaagtgcc ttttttcatt ttaaccaagc tgaatttcgg 240
 agtcaaagac agctccaccc tcccaatcac tagagataac attctcggat tgcaccaat 300
 acttctctgc attaccactc aattggaacc tcaactttat gtcaccctt ggagggttct 360
 cagcgtcaaa cacagtccca aatgccctgc gcattcgct ccactcttgg caatcttcct 420
 gccacaattc aacagcagtt acgtcgtaag ttccaccaag atagagaatg acaatggcta 480
 agta 484

<210> 43230
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910073d12d1
 <400> 43230

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 acaaatatga atcttgaagg gacttgattc acaagtgaat agtacaagtt gttgtatttt 180
 tcaagttgaa gcttaagggc ggggttataaa ggctgggaca gccccctttt aaccaatgat 240
 gacttctcca ttaattaagc ctgccaaacc tcctccaatc aatgtgccaa cccaataaat 300
 ccagttagta gcgaaatctc cactgaccac atcttggccg aatgagctat ctgggttcac 360
 tgaccaccca cttaatgggc ctgttgataa gatgttgga cccagaacta acccaatact 420
 attgggtgca atgatgccca atgacccttt ttttggttct tgtgcccttg tttcgg 476

<210> 43231
 <211> 324
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910073e02d1
 <400> 43231

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 accacttgca aaaatttttt ttgacaggtg ggtgtttccc ttgccaattt tgtagttgg 180

002250"ETTES60

gaagggttttaa aaaatgtttt tgaacaatcc agccaacata aaatgtgttt cctttgaagg 240
cctttttgtt tgaccaagtt tttattggat ccaaaatttc tgaagggcca cccttcactt 300
gggggggaaa ttccagccca aaaa 324

<210> 43232
<211> 486
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910073e04d1

<400> 43232

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taacctacac catttcagct ctgaccacta taatttggac agattttctga ttttatttaa 180
tattcaacaa ggcacttgaa caccactgat ttcatagtga ccaaccgtgg aaatcgacag 240
aagagaactt gccaacattg tctgctactg accagagttc cccaatagcc gttcaactgc 300
ggcatgaaca ttacctgaag tggcaataag ggctctaatag ttctcttggtg aatcaaagaa 360
tcccatctct tgaagctgtg aaagttggga ggcatacagc tgctccgggg gctcatttga 420
tctatttggga acagctaggc taccagctcc aagttcacca aacatgctcg ataacatctc 480
catccc 486

<210> 43233
<211> 541
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910073e05d1

<400> 43233

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gttacacttt ttcctatgcc aaaacttgta tggcatcatc cttgcctcct tggcttcgat 180
gccacaaacc acaaaaactaa tgaaaggtgg gaaagaaaaa gactaaccta agataaattt 240
ctctgttatc aaaggaaatg gacgaagaga atagatactg gacgtgaaga tctggacaag 300

acaggcatcg aaaagatgca ctaaggttta ggggctaaat acatgtactt aaaagcaaag 360
 gagtgagaga agttaagaac ccggaacta agatatgaat catggagtca cctacacata 420
 accatgttag ttaaagaagg cacaactgaa gaactgtaga tggaaggatc cccacatac 480
 ttgcagtcac tatgatcaac ttttaatgat gccgggatca aaaactgtca ggagcattga 540
 t 541

<210> 43234
 <211> 452
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073e09d1

<400> 43234

aagtcaaadc tattgatgca tgattcgtaa cttaagcgca agaaatgctt caatataatg 60
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 ttaaacaaat caaataaaaa cactaccaac ataatcttga ctgcaaagtg caaaccattt 180
 caatgttata catagacatc atgttttctc gactttggg tcataatcat aatttgatat 240
 taccacaaac ttattaatgt tagcttttgg atacctatca cagccttgaa ggagactggt 300
 accagcccca cgtttcatca aagatatatt gggtcacttg cttcacactc aagtaattat 360
 caagtcccca tttcttctaa ttcacgacca aaaccactgc gtttaatgcc tccccatggg 420
 gcttgagtga agcatggttg agagcatata at 452

<210> 43235
 <211> 498
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073e10d1

<400> 43235

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 cacataacaa actccattta ctctatgaac gaaccacatg atactgatat tttagaaagg 120
 aaaggaagga ttcaaagggg aagggtttcg aaatgatatc cataacaccg caatccccta 180
 aacgacatgg gaaagagaaa aaaaaggcaa aaacgacacc gaaagaaacg acacattcag 240

agccaccgac acagagataa aagcctaggg tcaacgtcgt ctatctaaga gagttgacca 300
 cagtcggcga cgacgacagg cttggcggtc ctgccggagc tggatccgac cttctctatc 360
 tccttgacaa cgtccatccc ctcgacgacc tgtccgaaca cgacgtgctt tccgtcgagc 420
 cactccgtct tcggcgcgca gatgaaaaac tgggatccgt tggttccggg accggcgctc 480
 gccatggaga ggatgccg 498

<210> 43236
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073f01d1

<400> 43236
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 cattgcacat gacataattg gtacagaaaa attggtcaag tactgctctc tggataatta 120
 tttttttaac aaaaaattct tcgttgtaga atgacaagta cctataaaat ttgacacggc 180
 acattctgct taaccatctg aatcatagat ttacgttctc caagtaccac ttgtaggtat 240
 cagcaagccc atccttgagt gagacttttg gtgtccaacc caggcttgca agtttggagc 300
 tatccatcag cttccttgga gtcccatcag gcttagtaga atcccaaaca agatccccctt 360
 caaatccac cacttccttc atcaactcag ccaattcctt aatagtaacc ttctttccac 420
 tccttacatt caaatgtcc agtccgctat acttttccat catgaagaca accgcgtctg 480
 ccaaatcgtc aacgtgcaag aactccctca atggactttc ggtgccccac accaccacct 540
 tcttagcacc attga 555

<210> 43237
 <211> 333
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073f02d1

<400> 43237
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 ggccggaaac cgtgggggtt aaaaaaaaa gaaatggggg gttcccccaa acccaacata 120

tttaaaacca attaaaaaaa agcttttttc ccccggggaa aaaaaaaccc ttttggggaa 180
 aaaaaatggg aaaaaaaggg ggggaaaatt aaaatttggg gggaaaaaaa gttttcttaa 240
 aaaaaaaaac cattgggttc aaaaaaaaac cccttttttt tggtaaccaa tatccctgtg 300
 gagaaccccc cccaaaaata catttttttt ttt 333

<210> 43238
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910073f03d1
 <400> 43238

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 aaatccttgt gtgttattta ggggtacattt aagaaaataa aatgagcaaa ggcaaatgaa 120
 acagagaatt cctttttaat gactaatatg gcagcaacgt gccatattca aattcttcca 180
 ctagttgccc atttcatttt gtactccttt aacagctaca gattgctgaa agcatgacaa 240
 ggcgtattgc acatcacttg ctgatatttg gtgatggaga acaactctta ttcttgatga 300
 actgtcttgc atcacaagga taccacgtgc ttccatgtac ttgcatatct attctgctct 360
 agtctttgta ccctcttcaa tgtcaatata taccatattg gtgctcacag aacaggcatc 420
 cactctcaat cctttaactg cgttaatcca tcagccaaaa gctagctttc ttgggtcaat 480
 tttcacttcc cacattttc 499

<210> 43239
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910073f04d1
 <400> 43239

aaatcgcat tttttatat aaattcttcc taatgcttgt aacagccaac acacagtttg 60
 acaagatgtc atttccaaag ccaaataaaa aagcgacaac ccaaaaaaca attgtagaag 120
 agaaatatac ttcttgaaaa aggtaagtgc catagaggat gccataactg attcagtctt 180
 catattctgt ttcttcatca tcattctcat tgtttcctcc tgcatatctc caaccatctt 240

caacattgtc acgatcctct tctgtttctt cactatcttc ttcacgaaa gggtcatctt 300
 tcacggggcca agaattttta ttacagtta aagtgggagt ggagactttg cgttttgcaa 360
 ttttggaagg aggcaacttg aggtttgggt ttggcttact ctgcttctga attttaccat 420
 ttgaccgttt cgcaacatag gcatcatggt cactttgctt atccatttta ttgccaacat 480
 tagcctgagc atgc 494

<210> 43240
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073f07d1

<400> 43240
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 tacagtattct ggtgaaatct caacttgaat ctacctttca gatttcagct acaacaactg 120
 gacgggaaag agcttactag acattggggg gactagtccc tactgacagt ttatttatga 180
 accaagaaaa tcacaaaaca aaaggtgaat actacagggc gggagcacct ttgtaagaag 240
 ctttggggag ttgtacttta caaaaatgcc accttatatc atcct 285

<210> 43241
 <211> 458
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073f08d1

<400> 43241
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 agccgcttgg ttggcttcac tggcaagaat ttcagtgtga cagccaagta ttatttggag 120
 tatgatttta ttatgtcaga ttagttacat gctcaataat attattgtat aaaaaagaga 180
 cctgttacat attacatata ttgaacatac accaaccata aattgaagag ggtagaaact 240
 tcatttcatg catacaactt ctgaagctca tctttgaatt tggctttcag ctgctctctc 300
 tttatcttga gagctgcagt gaccaatcca gattcaggag tccatggatc cggcagcaac 360
 ttaatctttg cagggatttc agttttctcc agctttgcag attttgcaac cttggaaata 420

gactgaagaa cctcagtgac agtttcaggt ttgttaca

458

<210> 43242
 <211> 372
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910073f11d1
 <400> 43242

aaagacgtaa agccatacca aaactttgta tatgggtcgc atccattaca tgtttattca 60
 atttattttg gccaaatagg aatgagaaat cctgtcacag aacatttaac aacatagcgg 120
 ggaggaacat aatgtaaatt caccaaaagt tgataatgct atgtcatcat agcttttttc 180
 agcaaacaac actcaaacca ctatatacaa ttacaacgat gaccgaggat gttcataaat 240
 ataaacgcta agtgtgacat ccacatcatt aaaatgttca aggttagacc tcaatcttag 300
 atctaaaacc aaagatggga aatattttgt agtgtttgaa tcctgcttcg atgaaaaatt 360
 gattccattt tt 372

<210> 43243
 <211> 541
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910073g01d1
 <400> 43243

ggcaaggaga gtcccatata acataagaac taaaattttg atgacaagat gaaagccaat 60
 aatgttaaatt gtgtactaac cagagaaagt ttacaaatta acaatgcaaa aacacacaca 120
 caaaaaaaaaaaa aaacataat cacaaatatt atttatgata tgattcattt ggagcctcaa 180
 ttcaaagcat gccatcaaca caagatggca accttttgaa gaaattacta ggcacgagg 240
 gtagcttgct tctgaacctg ggggtgcctga gccagaaaat gccagcaact gaagccacaa 300
 ccttgaaagg tgtcacatac aatgccacag caacaacaag gcaaaaaatc acaaataggc 360
 ttgtggctct agggctcttc caactaagca atgcatgaaa cctctcacct tgtgttgcaa 420
 tatctccaac cacagtttgt atcctcccag ccacactcct aagcctatca tacctcattc 480
 tgatcacatc ttgagccttt gaggtgggaa aagtataaaa ctctcatta agttcatttg 540

g

541

<210> 43244
 <211> 568
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073g05d1

<400> 43244

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 taattcacia tttagatatg tacatttaga aaagagacaa attgagaatg aagattgaat 120
 aagaatatat atacatacac tcgcacacag gatattttta ttcaattcta tccatcagat 180
 tatttgctgt tccccattcc actgacaatg gtcatttgtg agtcattttc taccgccttc 240
 aaatctacag atatcgtaaa ttccactgcc tccttttaac ttaaatacaa gccagcatca 300
 gcatttatgg catacagtaa tttggtttcc aattgtcctt tgcttgata aggcggaagc 360
 tttagtagat tcatacaagt agccgatgtt ggtaatcggc caagtgattc ttcaacggca 420
 ttaccggaag ccctttgtat gcaaaacata ggttcaagat atcggaacc aagcaaaggc 480
 ccacgagagc aacctgtcac aaactttaaa aatttctttt tgttttccaa tgaaaagcct 540
 tgagaacttc ccaaaacatt tcataaca 568

<210> 43245
 <211> 443
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073g08d1

<400> 43245

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 cacaaatgcc aacatagcta tataactaaa tttataaaat aaaactataa cttatgaaaa 180
 cgccatttat taattattag ccttgtagta aattaagtga cggttgggca caacgacgtc 240
 gcccatcata cgcaggcat tcatgttgtc ccactcagca ccaatgttgg tgctagacag 300
 gcagttcatt ctccaaacct agaaaccatt caatctgttt gaggtcgagt tcgtcgtttg 360

ctccgccggt ttagccgggg gatccagtgg tggaatgtga gctgctggtg ctttcttcag 420
 tgatgaagtc acggctgagg caa 443

<210> 43246
 <211> 503
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073g10d1

<400> 43246

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 tcacagccgt acatcacaca tgagttgggc ctcttccaac ttaaaagcag aggataacat 120
 tggcccatga cgcgacacat gcaccaccta ataatacataa ttttacatct ttacatacaa 180
 aatacaaaga ctttaaattt taaaaagaag aaaagagata aacagatcat cttaatgaaa 240
 tgaaacaaaa acccacaac attggcttga tttttgttgt tggtgttgtt cccaacttga 300
 ttaagcatga accgtttgat tgaatcactt ggacttgaag ggaatggccc taattacgac 360
 ctggtggtag agtgctgcaa gagctgcacc gatgaatggt cccacccaga agatccagtg 420
 ttcattccaa ccaaggtcct tggtgaagat gatagcagca ccaagactac gagcagggtt 480
 gataccagtt ccggtgatgg gga 503

<210> 43247
 <211> 424
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073g11d1

<400> 43247

gactcgtata aacttggggg gaaatatagg ccatttgtat tacaacgtaa aatgtaacat 60
 ctatcataga gaattgtact gtgaaaattt caagttcgga cactatacaa agccgtaacc 120
 aaaaaatatt ttgtaaatca attgtaat ttaaagagta caggctaccg aaaagttaat 180
 ctaggtagac tgatttaatt tgtaatgcaa cagacagaac agacagccct tctggagaca 240
 ataatttata tcatttccac ctttgccctaa aatctgaaag ataaccgtca ttttcggagt 300
 cacaaattaa gggcacaaaa tccttaacga atgaatatct ttctgaattc ctcattagat 360

tttgggtttt aatccccctc ttatggtttt ggcttatttg tagaaaaacc aagtggctctg 420
 acat 424

<210> 43248
 <211> 503
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910073h01d1
 <400> 43248

agattatcaa aacattatgt gaactaggca ctcaagcttg catttccata tacagcttaa 60
 ggaaactagt tcccttccct gattactcat tactcaggca taataaaaat gacaactcta 120
 tacgatatca aagtacctta atataaaatt caggcttcga aaagacacta gcaaaatgtg 180
 acagccgaaa actaaaagta tacaaaagtt cagaacaaga aatccacttt tagcacaaca 240
 ggcacaacag cgaccttgta cgaaaattgg gaggattgca aagaaatcac caatgcatga 300
 agtggcctgt caccatttcc tggagataga taatgctttt tataagtcac tactcaaccg 360
 atcggctttc attatgaatt attaaagata attcagtga cttaaagaag ctgtccctgg 420
 tgtggcattc cacttctcat cattgcacag aattcctcat agtttattct cccatcatta 480
 tctgcattca ccttaaaaaa tat 503

<210> 43249
 <211> 544
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910073h02d1
 <400> 43249

caatatagca agggagactt tattgtgcaa ttgtgtatta caataaattc tctctctctt 60
 gattctactt cttattaaca ccataacatg atttccattc aaacctagta atcactccca 120
 accctttctc gcatcacttg gaaaaacaat caaatcatat ggtatctcat atatcaagac 180
 accataggcc tagcatagaa taagttacac agaaaagtag acatacaaaa tgcacttaga 240
 tggtcattat caaagagatt cttagttatt aactcgtgca caatgtttcc ttatctctcc 300
 ttcagatcca agcttgacat taattcgtcc cattttctcc atagacttgg caaattccgc 360

aaagaatcct tgagttgact gaagttgact agcgataata gaccttgtga taggactagt 420
 aagcaattca gcatctgatt ggaacaaacc ccttctctta accacttggt tgtaatatcc 480
 aagatcaaat gtatcacgac ttccagggtc catctcaata agtgagttat cattaatggt 540
 cttta 544

<210> 43250
 <211> 578
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073h04d1

<400> 43250

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 aaatacattc aagccctcac cgatcttccg aaacaacgaa aaccacatcc ttcaaaacgg 120
 cgttcatttc gaaaatcaga aaacaatagc caaaaaacaa agaatagtgt gaactgttgt 180
 tcttcaaatt gcggcaaaca gagcggaaat tagggaacga tatgatcaaa ttgacacaac 240
 cccacactcc tcttatctat tatacatctt aagagtcaat ccaacaaccc taaccctaatt 300
 caccgcccac accataaaca aaaaggacga aaaagtaatc cacagtcatt caattataat 360
 tattcaaacg aaaccttcca ttaacaactg ttcagatcat tacatctaca aactaatttt 420
 taagaaaaga aatccacaga aaaccctaga tctgcaacac aaccgcctaa caaacctaa 480
 ttcaagagct ggttaacttg gtaaccgcct tggtccttc agaaacggcg tgtttggccc 540
 attcaccaag gagcacgaga cgcacggcgg tctggatc 578

<210> 43251
 <211> 549
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910073h05d1

<400> 43251

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 acacatgcac cacctaataa tcataatttt acatctttac atacaaaata caaagacttt 180

aaatttttaa aagaagaaaa gagataaaca gatcatctta atgaaatgaa accaaaaccc 240
 acaaacattg gcttgatttt tgttgttgtt gttgttccca acttgattaa gcatgaaccg 300
 tttgattgaa tcacttggac ttgaaggga tggccctgat tacgacctgg tggtagagt 360
 ctgcaagagc tgcaccgatg aatgggtccca cccagaagat ccagtgttca tcccaaccaa 420
 ggtccttgtt gaagatgata gcagcaccaa gactacgagc aggggtgata ccagttcccg 480
 tgatggggat ggttgccaag tgaaccaaga acacagcgaa cccaattggc aagggtgcca 540
 aaatgggga 549

<210> 43252
 <211> 545
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910073h08d1
 <400> 43252

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 tttcatgcct catcataatc tctaaaatgc aacttctacg tcatactcat agtcaagcag 180
 gaaaagatgc cacgaattca aagccttggg tcagaagagc agcagtcacc catagcttca 240
 aatttggcag gttaatttct ggttcagttc cttttacatt caatgtaaata gtaagtagaa 300
 aactgtcatc aactgtagcc aagtttgagt tctgaacatt aaaacctgca agagactcaa 360
 gagccctgta cagtgaagca gccaacctt gtactttatt gcacattatt tttgcatagt 420
 accctctttc ctccacttga aacatttcca tttgcatgat cttcttgagc attggatgac 480
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 acact 545

<210> 43253
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910073h11d1
 <400> 43253

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 atttattttg gccaaatagg aatgagaaat ccgtacacag aacatttaac aacatagcgg 120
 ggaggaacat aatgtaattc caccagaagt tgataatgct atgtcataat agctttattc 180
 agcaaacaac acgcaaacca ctaaatacaa ttacaacgat gtttgaggat gttcataaat 240
 ataaacgcta agtgtgacat acacatcata aaaatgttca aggatagacc tctatcagag 300
 atctaaaacc aaagatggga aatattttgt agtgtttgaa tcttgctcg atgaaaagtt 360
 gtttcatta tttttccgt tctctctttt gcattcttcg ccaacataat aatgtgcaaa 420
 ctaaactttg tttgtgcat atccgggtca tctagctttt catttattac ggcatctatg 480
 ataatcactt ttgcactgtt gcctttgctt ga 512

<210> 43254
 <211> 517
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910074a02d1

<400> 43254

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 ataagcactt gataacaata cattatccat gaacatgctg aaacttatta aaacaaagtg 120
 acttagggaa gaaagcaatt tagaacactt tggaacaaat ttaattattg ctgggctttg 180
 aagggctgat atttcttgag atcttgagcg aggccttgga tggagccagc agctgagata 240
 atagaaacga tcaagcaagc ccagctcaat atcttgagcc atgtccaagt gaaggaaaac 300
 ttttgcatct ttgactgctt aatggacatc tctatgggga agtaaaccgt taatggccaa 360
 aatgacagtg aaccaatcag gcctaggaag tcattgaaga atggaaacat catatctatc 420
 aaagcagtga tgatgacata atgtggtctc cataccaccc tgaaaaagtt cacagggaag 480
 gttccaaata gtggaaactt taaagcgtgt tctccat 517

<210> 43255
 <211> 318
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910074a05d1

<400> 43255

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cataacactg aaattccccg aagggtacat tttggaaagc atcattcagt acaattggta 120
cacaacatta cccactggat gctaagaatg tcttcacttc gaactaacag taacaagaat 180
aggcaaagtg gtttttcttg gagacataat gggacaagaa actggaggca gaagcagatg 240
aatctggaat attggccgga accagtatct gggatttacc cgagccgatt tttttaccag 300
ctacatttgc ataaaata 318

<210> 43256

<211> 326

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910074a06d1

<400> 43256

cagaatagaa agaattatct ataaccaata aaagaaaata cagatctaca aacaatcact 60
atgcagagac ctcggtaaag tacaactctt aaaaaattcc acccacgatg cctactccta 120
tactggaacc gaactagctg catttggcag aaataagaaa ttaaatcaca ataacaaaca 180
ctcaacagct gaaatgatcc ctttaaaatc tatcatagta tcccagccag ttttttggtt 240
gtagagtcaa gaacaatgat gtcacatggg tggctcaacg catactacag aggtacaatg 300
tcattatcct tgccatacca tatacc 326

<210> 43257

<211> 299

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910074a07d1

<400> 43257

agcacaacaa acttagctta aacgagatta gatggcaact gaatgttgct caatacaatt 60
ccaaagggac tacctcccgt gggtaaaaac taaaaacaga aacattttga cccacatgct 120
caaaaattaa ttacaagcca attttttaaa aggaagaaaa cacagtcccg gacacttggc 180
agtatttgcc tgtatcacia ttaatgggta ataccgaaa acacctacac ttcctaacia 240

caccgtgtaa cgtataaatt ggagacattc tataggagtc aattcaaaac ctttggatac 240
 cactcaaggt tgggaattaa agatcagccc ctgccaacac tcccatgcct ttgactttta 300
 aattgattga gggaaagctt gg 322

<210> 43261
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910074b04d1
 <400> 43261

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 ttaaaaataa gaaccatgtc tgggtttttc caaattaaaa aacttgacct cttgtttttt 120
 ttaaaaggaa aatgaaaatt ctttgtttta acaatttatt tgaaactctt acttgtcaaa 180
 cttaacctaa attccccagg cggtttttat tttgaattaa aaaatgaaat tatgcttatt 240
 attgaaacgt tttcctttta cccaccgggg ggaa 274

<210> 43262
 <211> 323
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910074b05d1
 <400> 43262

gatgtattaa acccatgaac atatgaattt ccaaggatcat ataatagtca ataaaggata 60
 taattgatac aaaacctcaa tgatgaaaac aaaatgcaaa ccaaaaaagc catagaaact 120
 aatagcacga caaaaggatc cataaagaac tgcaagggaa aatgggatag cagaagaatg 180
 actgtgagag ctgaagtatg aaaatcagaa ttatgtagaa gattgctcca caggggctgg 240
 tggagcttcc ttctggggta aatctgtggc agcgttattg gtggtggcat cctttgggtg 300
 tgatgcaggt gcagctccat ttg 323

<210> 43263
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910074b06d1

<400> 43263

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aaaaaacttg tcctgaacca ataaaaaata tccttcttgg ggccctccaa ggcgttccat   60
tcctgtttta cccggggcaa attttttttc cccgccaag cattgtgttg ttttttgccc  120
gttaaaaatt ataggggaaa aaccattcc ctccaagac tcaacatttt ggccttgggg  180
ggaaatatcc cgaaaaaccc tcttttatcg gggaacccat accattttcc atacctccg  240
gggggggggg ccataaaccc ccccgagggg                                270

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<210> 43264

<211> 329

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910074b07d1

<400> 43264

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gacagaaaaa agttcattta gcagttaaga taggaccaag cctgtgagag tacaaagtta   60
agattccctg ttacctataa cagatcaaca agtacagaag cgagaatccc actggacagt  120
gcattatttc attcactact gatatcaggt ttcattctaa aatctaagtc acctgaaagt  180
atttcccttg atccaaagtt cagaagaaag ccctgcttcc ataaaacaca cgggagttag  240
ggctcttttg tgtctgaatc ttctgttcag agctagagtt tcctgaacta gttgggtccac  300
tttcaaagtc cataggaagc ttcatttttc                                329

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<210> 43265

<211> 318

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910074b10d1

<400> 43265

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cttcttcat tttttcttcc ctctactcc tagttttttt tggtttctac catacccgga   60
tccatattca gaatcctcct ttctcccacc ataccggac ccatattcac cttcttctt  120
ccttcatac ccggatccgt attctgattc ctctttctt ccaccatata ctgaccgta  180
ttctcttct tccttccttc catacccgga tccgtattcc gactctgct tcctaccata  240

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cccggatccg ggggcgggat tgaagcctgc aggagcgggc ctgggcttag ggcgagagta 300
actgctatac tcagtggc 318

<210> 43266
<211> 557
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910074c02d1

<400> 43266

agaaaaaagt ttcatagttt attgcatttt aaataagttg caactgaatt ataacatgag 60
catcacaata atatatgttc atataccact ttacacaaga tttgtaatca aactaaacat 120
tatgcaaact gacgttaaata aaataataaa aaatgcattc atttattact agctagagtg 180
gaacaatgtg gtgttgcccta tggatttcag gatcagctgc tcaatcaaag agatcattct 240
tatttggaag cattgaaatg ctaatcaagc tggtagctgg taattctgcc ggaacagtta 300
cagcctacta tgtaagttca ccggatctaa gagatctcaa agacaccaaa acacgcactt 360
ttgaacaacc aaatctatca aactcccatt actaaatgaa gtgtccatgt ttttactca 420
aaatccatac agttatcctc tgcaggaagc caacatgacg agatagattt tgagttctta 480
ggcaacagta caggacagcc atacactgtc cacactaaca tatacacaca aggaaaagga 540
agccgagagc aacaatt 557

<210> 43267
<211> 326
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910074c04d1

<400> 43267

gaagttctac tatccactt cttactaaaa taaactgctt cagatgcatg catcatataa 60
tgcaagcaac cattgttaca atctttacca gagaacacaa ccacaatatc aaaataaaat 120
gaaacctact aataacaaac ataaaagaaa ttgaagtatt ttatgtcacc aatgtccaga 180
gcaattaaga attttggaac ctagaattat gacaatgtct aggttacagc gtgtatcaat 240
attccaaagc ttccgttaga cataaacaag aaaacagtgt actttacaaa aaacaagatt 300

cctgaaaatt tacaatctgc ttatag

326

<210> 43268
 <211> 294
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910074c05d1

<400> 43268

ggcaaagtac attaatttat tacaaatttt catctgttta ggggacaaac ttagcaacac 60
 atggatacaa agattatttt ttgagctttg acatcaaggg tttatatttc tacataaaga 120
 tcttgacata aaatctaaca tggctaattct tcaactctttt ggaataactac caccctctac 180
 catgatgatg atcactccac ataatatata aaggatagca ttcatactcc aagggactta 240
 ttggcttctt caattacatt ggtgaggggtt ttctaagaag ctgaaaaata caag 294

<210> 43269
 <211> 334
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910074c06d1

<400> 43269

gttgaataat gaccacatac agtgataggt attgataatg gtgacaaaca aaaacaaaaa 60
 caaaaacaac gagggagagg gaattattgt gtttttggtg aataataact aaacataaaa 120
 attcaatcta aaactggagt attagacaag acaggtgaag gcacgcacga tttattatgt 180
 ttggaatctc tcatgacaag ccatccatca aaccagaaaa gaagccaagc gtttgatcat 240
 ggcttttagca agatgagtct caggcttgaa gagctggaaa gcatgcttct catcgccagc 300
 atcaaagagt tgaagttcac cttgccagcc actt 334

<210> 43270
 <211> 329
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910074c07d1

<400> 43270

agatgggatt aaaattaaaa ttaaaaaactc ttagatgcaa acaagtgcta gatattttac 60
 attctgaaca taccaactcg ctatcctatt ggatgttttt cgaaagtaaa accactgaaa 120
 caaggaacat agactagagt tatgcctgaa aatgaaatta ttacagctgg gtcacactag 180
 ctaggggtga acccttccaa aagccttaaa gatgcaatgc tatacagggtt agactttata 240
 aggtggcaca catgatgata tgctatgaac aaaatattga tcggaaaaaa gaataataat 300
 attagccggt taaaaaacg gtgcctgt 329

<210> 43271
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910074c08d1

<400> 43271

ccaaaaaaaaa taatcaagta aaggagtaa aaattatttt attctaaaca tttgcaaattg 60
 cgtctgtgct tatgcccaca caaaaaaaca aatgattttt cccgtttgac aatggcatgt 120
 aaagaaccta tcatgcaaaa ttatttcatt cctacctaca aagttttcag caagaggagg 180
 attcgagcaa aaccatcctc ctaaaaattc aaaatcctca aatttaaaaa aaatggaaac 240
 acgatgtctg aactctaaaa gaatatttta tccaaccaag ctcgagttcc act 293

<210> 43272
 <211> 316
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910074c09d1

<400> 43272

aaagactgaa tttgttattt tttatccata ttataagaat aaagactgaa ttagttttac 60
 aaagcaaaga aagaggaagc tgacacgttt aattacagtg gaaaaggaca gcagagaaaag 120
 ggagaagaaa acttatgact acatttgtat aaacaaaaat aaacgggtgg ataaactgca 180
 ctaagccgac cgtccaattt ttggccggaa tctgaagcct aatttttccg ggcattgcgt 240
 ttccaagctt ctgcaaagaa aagcccttcc caccacggaa aggccctttt cttcatactg 300
 gctcgaattg tactta 316

<210> 43273
 <211> 557
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910074d01d1

<400> 43273

gagacaaaa acacatttaa gtcatatatt aataaattta ttcacagtgc attccagctc 60
 caagaaatth taggagcatt taggaaaaac gatttaaaac atcttgactt aaatgcattg 120
 ctcaagttcg atgactagat cagtactatt aaagtttgcc gaaagaaaac cactatgtaa 180
 cagaaaacga taaaaaaaca taactcattg agttggtaca agactaagac cattatttta 240
 gcttagtggt cgthttattht tcttgggatt taagggaaac aactagggga aggggggggtc 300
 ttatacaatt gtgacacact tgcaaaggga agctagggtca tgtacatcat cacgcacacc 360
 agcgcagggt taagaacact thtttaaacg gttacagagt ttgagattth caagttcaga 420
 tcccacagct aaaatgtgcc cttaacgaaa ttgtgatgtg cacctthcaa ggcaagagtt 480
 thtttcacaa ctggctcttht cacaaatcga tatgtcaata ggthttccaag tgatacttc 540
 acagthtctt thttcgca 557

<210> 43274
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910074d02d1

<400> 43274

aaaacaacac gatatgacaa ttaatcattt catatgtcac acattcataa caaacgtagg 60
 ggggatatta gagttctatt attaatggga cacaattgag ttcaacacaa accgaactta 120
 thttcaaggg acattattac agaccatta aadatcaaaag thtttcaaath gthttgggaa 180
 cacatccaac attacacaac gagcttaaaa cccccacgg agacggagga caaggtgaag 240
 ggttgattcc thctggatgt tgtagtcagc gagggctctt ccatctcga gctgthtgcc 300
 agcaaaaatc agctthtgct ggtccggcgg gatgccttcc thgtctgaa thttggctt 360
 cacattgtca atgggggtcag agctctccac ctcgagggtta atagtcttac ccgttagagt 420

cttcacgaat atttgcatac caccacgaag acgcaacacc aagtggagag ttgacttctt 480
 ctggatgttg tagtca 496

<210> 43275
 <211> 336
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910074d07d1
 <400> 43275

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 tgattaaaca cgcacgatat accatctgag agagcttggt tgcattgtgac agagcaaaca 120
 taggtaaggt ctttcatctt ccaccagaaa gaactaataa taaagacctt cttcatgttg 180
 caatggctgc attaatatta ttgtgacagg ccacattcaa ataattctacg aatacaatgt 240
 tacctaaaaa taaaataaaa tatagctaata aatagagaaa ttgatgtagt tcttgaagtt 300
 caaacacgga tgaatcaaca gataatctct tcatct 336

<210> 43276
 <211> 320
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910074d08d1
 <400> 43276

aaaaataaca aagacgaatt ttccaattac tagtaaaaaa tccagatata atggtttgca 60
 tataaacagt acaatgtgat ggtaaacata aaagtagttc cacaaacttg ttatcaccat 120
 taccaactat tctgagtgtg aatgtggccc aaacagtttc aagacaaaaa ggattacttc 180
 aaacttgtct gttgcctgcc atcagggatt gcatatagca cgattgggtg tgaggggcga 240
 atgaagggtg aatcacacct gaaatatccc tttctctcca gttgcaatac atctccacgc 300
 tgaagatttc gcatgttggg 320

<210> 43277
 <211> 316
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910074d09d1

<400> 43277

ggaatccaaa cattaacttg aacactctct ttttgatatt gatattaaga gacacattgg 60
tagggcatac atacaaacag agagtacatg tttttagttg atcacgtaaa aaattacaaa 120
agaacataca aataacaaaa taggaggaag aggagagaaa cacacagagt aagagacgtg 180
gaaagttatg gatattagac atattataag ggcaacgctc aaaaaacttc cagcatagag 240
cagtggaatg aattacttag gccttctccc acttgagggg tttgaccact tcccatgtga 300
agtcagggtc ttctct 316

<210> 43278

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910074d10d1

<400> 43278

acgaaccaca agggctccct gggatacttt caaattttat ttcattaacg ggtgtatggt 60
taaagggtat atgataaaca actatgtaca tcttcagggg ggggattggt tgtaaaaaaa 120
aagcaggggt ggaatacccc tatattactt aatttaaaaa cacaatgggt tacatactat 180
ggattggata ttggtgggca ttatactact aattccggga tttccaaaaa tgaacggata 240
cttttttggg cccctcttat atattggttt gaagcagtcc c 281

<210> 43279

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910074e03d1

<400> 43279

aggggaaggg aaaaaaagaa tactttatta atataacacc ccccataaag gggttttggg 60
ccggaggcaa aattcaacgg ttaaaatttt ttatcccaaa aaattttgaa aaccaaacc 120
ttggataaaa cttccaagcc ctttaagtttt tttatccaaa aggggtttta accccatttg 180
gttggtgggg ggcaatcctt ttcccaactt attaaagggg ggggaggtta aaacccccac 240

276

<400> 43280

<400> 43281

<223> Clone ID: jC-gmro02910074e08d1

<400> 43282

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tatgaaaaca agcagaaaaa taaatccct aacactacg aaatccagcc acgaagacag 120
acacagagtg ccccaaaaca atccaaaatc ccgaaaaaga tattcaggtc aagggatgaa 180
aaaaacacaa cattaacaga gtttcacaac aaaacacaaa caagaacacc ctgcaaatca 240
ctactattgt tttaaaccct atcttctga ggttcttct catcttcata ctcatagccc 300
tcac 305

<210> 43283

<211> 317

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910074e09d1

<400> 43283

aaaaaatta ataataact gaataaagt tcgaagaaca ataattaaaa taattcaagg 60
aattaaatta aaacaataat tatactgatc aactaaatct accatatgaa aatttcattc 120
tttacttgta aagagccgaa attatcttca ccttaataat tgtagatgta gaagaataat 180
cagaatcttc ctaaattcac gatatttctt cgaaaatgct ttgcccaaca caatgatatt 240
gtcacaccag aagctatgag gcgtcttcca tttgatattc catttatcgc ctggagattt 300
acaatgctaa tgaccta 317

<210> 43284

<211> 308

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910074f04d1

<400> 43284

gttacttaat actatttaat tttatttagt aacaaccaca ataacaaaag aattaaacaa 60
aaataaaacc ctatgttaaa tgtaattta atgatcatca ctttcttct tatcatcatg 120
ttcttgaga tctgaaagag aaaagctttt agccttgaag ctttcaagtc taagccttat 180
atgagcagca taagattctg gcattctgtt gaatcttagc tgaacttgat cttcttggtt 240

<223> Clone ID: jC-gmro02910074f07d1

<400> 43287

caagaataca taaatcctta tattacaaat ttggcgctc aagcaaagct ttgactttga 60
 cacttttcat cccatccgcy agttacatac aaggatgggc atccgccctt tccatctagc 120
 gtaatgttac attacatata tggcccaatc aatggcagcg tcgcagcgct aatagtacag 180
 cgtgtcccca cccaagtcac gtgccttctg tcattttcac caaattagaa gaaggaggag 240
 catcatttca ttacctagc tccaaccaac gaggatcatg atcctgatca tccgagtcac 300
 cgccatcaag cggttcagat ttcacatctg aacc 334

<210> 43288

<211> 321

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910074f08d1

<400> 43288

aaaatggaac acttaatcaa aatatagcaa agtagggaca attgtccaca taaaaaactg 60
 acaagtttaa cttgcaagct caaatgaatt gttcaaaaaa gaagcgagac ttatttttct 120
 ccaacaaaat agcctaacta ggtcagaaac aaaaattaca gataacttaa cgaacacata 180
 ctgcgaacta ggaaggaacg aatcatcatg ccatgggtag cacacgggct tccttgaaag 240
 ggtcctccaa tcaaaatatt ttgggctcaa aaagcctgct tgtgaagccc atcgaataat 300
 agatcaacca cgagaatggt t 321

<210> 43289

<211> 319

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910074f09d1

<400> 43289

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 aacgaagca ttttgacgaa gcaccggtga tacaattcca caggtttgtc tcaactcgaa 120
 gtccaactat atacgaagaa ttacataaat acataagcaa cgtgtacaat gctcttccgt 180

gtaaaatggc cataggtcca aagcattctc caacgattgt aatttgcaac acctttaaaag 240
 ttcctatgac caccaatttg gaatatttgc tgtagcttca ttcaccattt ttacgagagt 300
 caccacactt tctggaaca 319

<210> 43290
 <211> 320
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910074f10d1

<400> 43290

aatagaatcc attatttata tataacaata aactactata tacacatata atgtattcta 60
 gtttagtccc ctaaaacacg agcaagttat tctgggtgtc gtagcccaac ttctccaaaa 120
 tcggctggac tgcaaattga atcataggtg ggggtccaca agtcaatgcc aaggtatcag 180
 gagatgcatt tggaatatgc tccgtcagga tactttcagt gatgaatccc aactgtatt 240
 cccacccttc tcttatgctt tcttggatca cgtaccacac cttcaacctt tcataacttct 300
 tagcccactc atcaagctct 320

<210> 43291
 <211> 314
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910074f11d1

<400> 43291

atgaggacaa aaaaattatg tgacttgaga aagtagctag caagcttatt ctataagagc 60
 ttatatataa acctacaaca aaaagtttca cctaactg ctctaaaaag agctctattt 120
 gctcattctg tgaggcaatt tctcacagaa agaaggcaca ttttaattgc gaggagtga 180
 ggcttcagat ggactgcttg aggagtcacc tgaggatgga ttcagtgggtg aaccatttgc 240
 aagagaacca tttccacttt cagtctcagc caccactggt atcttgacgg cggctgctcg 300
 ttccatcttt ttct 314

<210> 43292
 <211> 516

002250" ETTES60

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910074g01d1

<400> 43292

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aattatttct gaaaaagtaa aaagattgac tttttttttt ctgaaagggc cgaaacacag 120
actcagggaa tatttgtggc tttccttttc tgggcttggg actagggcga gaataactta 180
aatatccatc ccaaggaacc tttttaagcc cagcccgatg ggagattatg tctctaactc 240
tttctgcaaa ttcaatgggg gtctctcctg gcttaaaatt ttgtggctcc aagtaccaa 300
cattacaaat tacagcccaa gatgtgttta attgcaagaa atgagtggag aatgattgtt 360
ttctactatt ccaaaaagca tcgacgaaaa ttttatttga cttgatcgca cctgggcaaa 420
ttgtgcagcc aagttaaaat gcgcctttt tgaacatgac agagttgtga ttttttacac 480
aagctccttc atgaaatata gaggagggtt tttgtt 516

<210> 43293
<211> 562
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910074g02d1

<400> 43293

aacaagacaa actccattaa tcattattcc accattacaa gcgacctgc atgcaaggga 60
aactagaatc ccgggtacaa gaatacaaga taaacaacct tgctactttc taaaattcaa 120
tcatacatag gctgggtgtg ttaaccgaaa tacatgatac agaaggaagc cagaacttaa 180
tagactaggg agactttctc ggctttggca gtcatagtgg cctccaacct aaaccagaac 240
ccaaaatgct atggcgagtt ggtttcaaaa tcacactgca gcagcaccag caggaacgtt 300
agattcaact gacttcagta tctctcacc tagctgtttg catcctacca gcttcgttcc 360
agcagaatat atgtcaccag ttogaaatcc cctgttcaaa gtgtccatca ctgcattctc 420
tattctttca gctggctttt cctctcctag gccatatctc aaaagcatag cagcacttag 480
aacagtggca aatggatttg cccttgtctg tccagcaata tcaggtgcag aacctgttt 540
gggttcaaaa agtccaggtc cc 562

<210> 43294
 <211> 299
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910074g03d1

<400> 43294

aaaccaaaaa cactttggga ttatcccttg gaaattgcat tgagctgaaa gttaaaaagg 60
 attaaaacga gttatagggg aacaagaag aggctttgcc aatcctgtaa agaaggatga 120
 ggctttttcc atacaaagct tctctccggc ttgattttc cattgaaaac attggataag 180
 cgatgcaagc gtgacttggt tgagcggtta tgeaagggaa gatccagggc acccccttct 240
 gccaaacca aacggaagat agctgaaatc agcggggttg atcccattca aaaaccttt 299

<210> 43295
 <211> 326
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910074g05d1

<400> 43295

ggcagccaa gggataataa taagcatttc atttcgttca tacattctgg atctattaac 60
 aaaagacaac aaagtaaccc atctctacag caaatgata atgacaaaag aggaatccat 120
 accataaaga aatacacatt tggcctacct acatgttgag cctagctact tttccaacta 180
 tatggagcca ttgaaaactt caatgataaa aaatattgaa tgtaggaaag aatacagagc 240
 caagtggatga agagactgag gttttgctga agagcattct cctcttttca tctcaatctc 300
 agcctcagac aaatcaatat aaagaa 326

<210> 43296
 <211> 329
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910074g08d1

<400> 43296

aacgatgtaa aagtttatta gttattttag gagaaagaga gcacatcccg ccagagagat 60

gcgcgcacaa agccccaag aactctttta ttggtgata aaataataac acacaaacca 120
aagtatacaa caataagacg aataggaatc acgaaattta aaagcagttg atgatgaatt 180
aattaagggc aaaacacaag cctataatca gatcctccca tgcaagtga catgctgctt 240
gcgtcatcca tagggtaact aaaggcatct ggacacctct ccttgaagaa cttggaataa 300
tcagtgggac cgcaacccgc agcaccggt 329

<210> 43297
<211> 315
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910074g09d1

<400> 43297

gaacactaaa aatagaaagt tgacatttaa taaaccaaag caacacaacg cagcaaagtc 60
ctgaaactcg ctgcgcttaa caaaaatgta attaggggtt cgcacaaaca catcacatta 120
aaacacagat aaataaaagc aattttgcc aagtcgatca agaaccagc tctgggaaca 180
acagttgcga gatgatgggtg gagacttcaa actttgtccg aaaaacaagc ttcctagaaa 240
agaagacaca cgagtacaga aaagaaacca acatttattg taaccaacat cccctgatga 300
accagcccg acgat 315

<210> 43298
<211> 330
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910074g10d1

<400> 43298

gatacaaagt catttaagat tcatcttatt ataagaattg gtgggtaacc gaattgtatc 60
aaatcgtaag attcgaataa tgaaacgtaa aattctaata actacgctt tctcgtgttc 120
aactttttgt gaaagaaaat aaatggggaa aagataatta atcagggttg atagcttaaa 180
cccctacaga atttgaatga aatgcttatt gtggccttct gttgctcaga atgcataccg 240
gtagatggca tctgctgcac catcttcac attgctcaaa ccaattacgt tagcaacaga 300
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<210> 43299
<211> 491
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910074h02d1

<400> 43299

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aatttacagc atttccctata cagacaaatg acaaccaaac ataatacaaa gttcctgcac 180
ggtttaacac atcacagcat ttaaaacaaa aaaagatgaa tacactatct taacgtggca 240
tgggttataa tacataatct tcagaccatc tatgagctat atagcgaagc aacactggga 300
ctatgaattc tgcagattat caacccttc cattcgctgc aagagttcca atatgcttcc 360
agctttttctc ttagctctat cagttccatt ttctgacaac tctgcagtg ctgcttttgc 420
accatgttct tttgctagtt ttaattgcag cggttctcca gtgcatagt accacaagac 480
agcagcagca t 491

<210> 43300
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910074h03d1

<400> 43300

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tgcccccttt ttgtcccttc cctgttttcc cctccacaaa ttctaaaaag tcagggggga 120
agaacggggg aaacccatct acatccacct tcttaaaactg ggggggaaaa aaactagggc 180
accatcttgg gggggaaatg ccacaaataa aaggggaccc cgtacctccc cctaaaaact 240
caagaccccg tatgttgggt ggcccaaaga aaaaacaat 279

<210> 43301
<211> 311
<212> DNA
<213> Glycine max

09531113.032200

<223> Clone ID: jC-gmro02910074h04d1

<400> 43301

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 tgattaagat accatatata tagtactaga tataaataca catatttccc agaagatcga 180
 caacctaata atagatacat catacatgca tcaaactagt tgaagaagca ggggcttcaa 240
 tttcatactt aattcccacc caaattaaag cacttaatct tccatgattg ccaaattaat 300
 taagtagccc a 311

<210> 43302

<211> 312

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910074h06d1

<400> 43302

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 acaacaacct gctactacag aattggccta atgcccaaac taagctcaaa atttatgtgc 180
 ggtagtgttc tttaatggcc gcccctgtct gttaagtttc aatcatttct tcaattatct 240
 ctcttggttg gcctccgacg tgcaggggca gatgattcct ccttctcttt gttttcctca 300
 ttctcaccac tg 312

<210> 43303

<211> 325

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910074h07d1

<400> 43303

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 tgattacttg ctcacaccac aaataaaatg gagatctcta aacgttaaga aaattcttga 180

gagcaataat ttaatctaga tatataggtt gtaataaaaa tatttctgat acatgtaatg 240
 aaattttaatt gcacttgaaa tccggaccat accaaggagt ggaagatgaa atcccccttaa 300
 acatgtaaata taccatgagc agcag 325

<210> 43304
 <211> 327
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910074h08d1

<400> 43304

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 aacttcatec aatgacattg atcagagcaa ttatttaaacc accaccttat tcatctaata 120
 cttaactgcc ttgcttacct caatgttcaa gaacaatata gagtaaataat ccgcagacat 180
 tgaactaggt gaccaattcc attattgcct caaaactttt tcagacgaac taactcacct 240
 tgccctagctc cagattcaag cattgcctct aacacagcaa catctcttgc accttcgaca 300
 taagagagggc gaggctcagt cacaac 327

<210> 43305
 <211> 313
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910074h09d1

<400> 43305

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 ttaaatgacc acaatgataa cataagaatg ctgatcgaga gtaatttcta aggctgaatt 180
 gtgattggac tggttactcc tgtgcttgcc atctgcccac gataaattcc caaataaccc 240
 acgacgggca ccaattgggt gtagtttaac ctgaaacttt ttcttttctc cggttctcta 300
 aaaagtcaac gaa 313

<210> 43306
 <211> 335

0053113.03200

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910074h10d1

<400> 43306

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agagccttat ctatttatat atagccttgc ctgaataaac tacacagcag gccaaatatt 180
catttatgat gattaatgag tcattgatga ctagtataat aatatatttt gggttctaggg 240
caactactag tttttgctat ggctcactat agctctatat ggcacctoct agtggagaaa 300
cttccatctt tgggatgatc ttctctgggt ctaca 335

<210> 43307
<211> 334
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910074h11d1

<400> 43307

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gccaaactaa aaatgtaaag acccttcttc ccaatcctag taggggccca aatgtattta 120
caaaggcggg acaaaatgtg tatatacaag tgcaatcata tagcataatg gaacaataat 180
catactttgg tctttactgg tgcacattac aggaattatt atgcactgaa acccctttgc 240
agagaactcc caggattgga aggaatagag acacaagctt gtgcagaggg ctcagccatt 300
tgctcattct ttatccctac attgcagatg tttg 334

<210> 43308
<211> 475
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmro02910075c07d1

<400> 43308

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taatatactg taaagaaagg aaaaggcaca gccttagagt gaaacaacat ttacaatatc 180
 tgccccctat tcataattgt aaaggaatga cctcattcta tagccaaaat catacaatta 240
 acctcttctt tacaatgaag cacaatctct ttccacaca agaaagtgga taaacctgtt 300
 tcaatttgat tttcccaaaa taccaacaat ttccctaact gtataaccaa gattatcatc 360
 agaggagttt ggatctcagg cttgaagaac ctgacagtga acaatatgac tctttaaact 420
 accacgtccc gctatagttg accataaatt tctaactaaa gacctgacat gacct 475

<210> 43309
 <211> 401
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910075e09d1

<400> 43309

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 tcaaagggat tggcacaaca atatttatatg ctaataaata taataatctt aagatgatga 180
 agcacgtttg gaagatgggt tgaaaggaac ctgctcagcg catgtaagga tgtcatgggt 240
 cccatcctgt tctcgaccaa caccaataaa gtcattat acaggtaatg ggaaacaata 300
 ttgttcattg agtccacatt acctgtcca caaacacat ccccatagaa aatgttcatt 360
 gcagtgccaa atccaagaac ccgattctcc ataatgtcat t 401

<210> 43310
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910075e10a1

<400> 43310

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 aatgatgttg ttggcagtgc ttactatggt gcacctgaag tgctccatag atcttatagt 120
 gttgaaggag acttatggaa gtattggggt tatatcatatc atattgttat gtggaagtag 180
 accatttttg gcacgcacgg aatcaggaat tttccgatct gtcttaagag caaatcctaa 240

ctttgatgat tcaccttggc catcaatatc acccgaagct aaagactttg tgaagagact 300
 tctgaacaag gaccacagga aaaggatgac tgctgctcaa gcttttagctc acccatgggtt 360
 gagaaacgaa aaaaatgcta ttcctttaga tattttgata tacaagttag taaagtcata 420
 tgtgctgccc tcacctttga gacgtgcagc attgaaggta gtcattctgtt atgcttccat 480
 cagaacaaat gcatattata 500

<210> 43311
 <211> 556
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910075f01d1

<400> 43311
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 aatcccagta ctcaagatat tttatctaaa gattcaagtt aaggtgggaa aaatgatacct 120
 cagaaagcag gagtccttga ggatgatact atataggaat gcctgaagtt cacaaacatc 180
 ctcacatcat gattagttaa tttctaatac ttcattgatt aggattccat ctatcaattc 240
 agaacaatcc ggctctcatt tatgcgctac atttatggaa ttagtgcgac tgtgcctcca 300
 gtaggatgtt ggtgggcaca ttgacatcat ttctggcctg cactaaggct tgtctggcag 360
 aattcctgtc aaagcccata gagacaaggg tagtgatcga gtcctccgtt ggctctactg 420
 cagcttgcat tggagcaggg taattttctc ccatttggtg agttggatag gaaggtaaatt 480
 tcctgacaac attccttgct gatgatgggtg cacgtggact ccccatagat ggcaacgaaa 540
 ttcttgaaaa taatga 556

<210> 43312
 <211> 451
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910075f02d1

<400> 43312
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 tcatatcaca gaaaccaaca ggatgccgcc ttctcctta ctgggtccac ccaactcgaac 120

aaaagttcta cagaaataaa aatggctaca attcttctac cacaaatctg aaaagtctaa 180
 caccaaaaat caaaaaaagg aaaattaaac aatcaaatcc gattgataaa accgattttt 240
 gtctttccct cactcacttt tcagttgatc atctcaatca cttagtagct gtagtgagca 300
 ggcttgatg gacctcaac aggcacactg atgtaatcag cctgggactt gctaagctgg 360
 gtcagcttag ctccaagttt gccaggtga agtgcagcca ccttctcatc aaggtgcttg 420
 ggcaaaacgt aaaccttctt ctgtacttg c 451

<210> 43313
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910075f08d1
 <400> 43313

cgatatatca ctatcattat cgctgaacgg ggggtgtttaa caaaagtatc aaccacaaat 60
 aaaaacaaca acccaacttc ccaatcatcg tcacgtccag caaaatacat tcaaaagcta 120
 tctaaaatct ggggaaccca cattggcatt aaaaaccatg accatacaat tttttagaga 180
 aatattatgg gcaccatgcc ttttcaacaa tcccctaaac gttgcttagg catcagcaaa 240
 cccaagctcg gaaagctttt ggtgagcctc agcgtaatca gcaaagaagg catcttcgtc 300
 cgctgcatat ttatcaacga gagggcggaa tacagggta gacaaaagag ccttgtcaga 360
 aggtagctga aggagacctt ccttctcacc actcaacaac tccgtgaagt atgagttgtc 420
 gaaaataaga ggattagaag tccagggacc ctcaaatcca aaacgcttct tgtgtgcaag 480
 ctccatagtg tgaccccc 498

<210> 43314
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910075f09d1
 <400> 43314

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 ttgaagcacc taatcaatga tcaagttgtc atgaaagtaa gatatttgag ctgattaata 120

cccttaagta gatgaggttt tctcttatcc acattatgaa tcttcctgca ttaagaaagt 180
 ggagcctttt gctgctacgc aagggaatt ttgatagctt tactttactg atcatcaatt 240
 ttgcttcac cttctcccta ttcacctatc acaagccact aacattaaat attgaaatgg 300
 aactaagcac catgttttgc ttgtttgctc cttttctctt tattgggtctg ctcaagcaac 360
 tgctttaatc cttccctac aaaccttgga gtagctgttc ccacctgatt ccataggtcg 420
 acctacata ggagaaacct tttaaagt ttctcgaaac ccaaacattt tccttgccac 480
 aaaaataaaa aggttacata tcaaaatttc actttccact tta 523

<210> 43315
 <211> 544
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmro02910075g02d1
 <400> 43315

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 tctcacattg gggtagacat gtgtctacaa acgttacagc tcaacatatt aatcataata 120
 atcacaataa atatggacga tgtcttgcac aatcctagaa atagaatgat caaaattcac 180
 gttgttgaat acctcatttt ttcttgaatc tcattaaatt ccagctgacc gatccctata 240
 taaccacgc agcttctcca aaattgtaat tcgcattcca agatccgcaa taacttaacc 300
 atgaaaagca cacaaaatac aactacttaa aaacaattta agaaaaaagc tatttaccta 360
 aacctcactc gaattttccc agtgacgagc caattgagac agggtttgtg ttgaagagcc 420
 atctttcagt gcattagcag agaaatcttt taaattcatc tttctttcac gttttccttt 480
 acctttctcc ccttccatca gacactttat caccttcgca atttccttct tctccactat 540
 gccca 544

<210> 43316
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmro02910075g03d1

0953143-032200

<400> 43316

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gtttacatgt ctgagagcat gaaaaaacgt gaattactac aaaccaatat tatttttcat 120
ctactttggt aaaccagcaa tgaacattag gattacgtac aacaacacca aaggcctgca 180
aattgcaaaa gaaccgagac tggggggggg gaatggcagg ccgttgctag gccattgctg 240
ttagagatag atgtgaaatc atgccaccgc agtcaggcat ggatgaaatg cagtaccaca 300
tgctatccac tgctgtttcc tcccacgtgg caccacacac ccaggaacct tcagccattc 360
tttctttgct atgttgtaag taaccaatcg gttcatttgt tttgatctca aggacaacat 420
gagcaagcct ttgttcccca agcaagtcac tctaactgac ttcccatana agtccaagca 480
ccatatgttt ggcat 495

<210> 43317

<211> 516

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910075g08d1

<400> 43317

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ggaactcccg ttaactcaaa atacacaatg tggcatgaag agttaaaagc tggcattctg 120
catattaact ttgttctatt gatttttcag caggtcaaaa tataaaaccc gggctctatt 180
catgtttggc gtagttcctt tttattacct gtacaaaaga aactcaagca acttgatctg 240
cttctgactt ctgcatgttt atacatttgc atttagcccg tttatcggtc agagtcttga 300
attctttctg aagatctttt atgtagtcta cagccaagtc caacatctct gctgtgctag 360
tttgcttgct catgtttgga acaagctctt gcaattttct tttcgttca ctgatccgac 420
ttcttctcac cctttcggca atgcttcgag gatgtgtagc aaagcctctc ttaactctga 480
ttttacaagg aacagaatct gaaaactgaa gcaaac 516

<210> 43318

<211> 534

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910075h02d1

<400> 43318

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 aagatgaagt tttttttttt tttcaaaaaa aaaaagtggg gggaagcgca aaagcatttt 180
 ctatacgaaa gcaagttgct tttctcacat ggcctaaca gcttggaatc ttggttcctt 240
 gggaaggaac ttctgctcag catagacaga catgtagtca ccaaaaacaa acttaggata 300
 agtttcatct acttggttggc cttctttctc cacaagttgt ggtgcaggac atatggtggc 360
 cttgaatgaa ggattataga aggaggcaat tgatcttctg ttcccatctg gtgtggccag 420
 aaccctgtgc cagcaactct tgtatctacc attgctcaag acctaatct gatcaccagt 480
 gttgatgaca atggcatttg gaaaggctgc acatcaatcc attgcccttt tttc 534

<210> 43319
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910075h05d1

<400> 43319

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 tcccgtagat aacaatattc tctctttatc catctaattg atgacatact acaagtctaa 120
 accaaattac atgctacaac aaaaggactt cccacccca tgactactac aacatgcctt 180
 gtctagctat taggatcaac aacccttttt ctccactaca tgatactaata actagggtgtc 240
 ttacaacaaa cctccccctt ctttttttgc ctgactccaa caattccctc aatgcttaata 300
 tacaacaaaa cctttctcct gatacaacaa tgcacaaac accaagtctt aaaaaggact 360
 caaacttgga tctttattga ccatctgtac atctcctctg gagaaactgg aatggagaag 420
 gttgtcaacc cggctcttga gtcatagttg aagtcggttt cagcgccacc taccacacac 480

<210> 43320
 <211> 497
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmro02910075h06d1

<400> 43320

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tgataaacat aatggacaat attaaacttt tactgctaca agttgatagt tctccctcc   180
cagaaggaaa aagatgaaaa ttccattct gtgatgtag aaaaaacttt ttattcttca   240
tcaaagcctg aactttctgc agctttgcc tgtttattca cggccccatt gacagcttgt   300
ttcttatttt ttggggtctg gccatttttt tcatcttcac tggactcact ctcataggca   360
tcatcatact cttcatcctc ggtggcctta ttctcctaaa ctccatcctc catgataggg   420
cctttatcag ccaaaacagc acccctggtg ccagcccgag tttgtttcaa aactttgagc   480
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<210> 43321

<211> 378

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmro02910075h08d1

<400> 43321

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atagtagacc gaataaaact agcgaggctt gtttgatgac tcttgaaact ctccaaactt   180
cgggctgtac acaatgccac aattctgcag tatgtaaatt tttggccatt ttaacagcat   240
tatcgattcc aggaaaaaat tgaaaccgc aatcattatg ttttgatggc ccataaataa   300
aatgcttata ccatgacatt ccaaaaaggc catctctgtc agtgaatgca cgctcagcca   360
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<210> 43322

<211> 491

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmro02910075h09d1

<400> 43322

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 aaatattgat gtaaaatata gatagggagt aataatacaa aactgatctg ggaagtcacc 180
 ctaactgggtg catgtctaat ctgatgccaa ccgtcttcaa atcaaattgt catgaatttt 240
 gtcatgaaaa ttcagcttcg ggagcgtttg ttcttcgcct ctgagacaag tttgtgggtg 300
 agtattcggt atcatcaaca gacaagccaa cactcgatac attggaaatt gaggttgata 360
 ctgaatctgg tttgtgcact tgatttctga agatctgtgt ctgagaagct gacccttgtg 420
 attcttgagg ggtttgattc ccctgagctt cttagcaaga cgtttaataa gggtcataaa 480
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<210> 43323

<211> 170

<212> DNA

<213> Glycine max

<223> Clone ID: 701036916H1

<400> 43323

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<210> 43324

<211> 288

<212> DNA

<213> Glycine max

<223> Clone ID: 701036954H1

<400> 43324

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 atctccaatc cctcagcaaa acgcagcaaa tgggtcggct taatctccta cttgtgtggt 120
 cactctcatt aacactgtcc ctttattatc tacaccaat ctctgctcag ctgagtccaa 180
 accactatgc taaaacatgc cccaatcttg aaagcatcgt tagacaggcc gttgccaaga 240

agttccaaca aacctttgtc accgtcccg ccacccttcg tctcttct

288

<210> 43325
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701036957H1

<400> 43325

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tactgtgccc acttccgttg gtgaatggaa ctcttgattc tattcaatct cccttctcca 180
accctctatt atatatcctg caacctgctt tgtttcttgt agtggtctaa tcattttggc 240
tttggttttc caatcctcct gatttctctt tctacgattc taaaa 285

<210> 43326
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701037023H1

<400> 43326

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ctatccctca aagggtctttt gaagcagaag aatggacttc tttactagag acataaatga 120
ggactctatg cttagatgtc cattcttgag gaacatcaat gagcctacta acttctcatt 180
cttttcacct ttggctttac caatgcctgt tcgtggagct aaagggtccaa tttttgaaga 240
tggtcccaat tttgatttgg cat 263

<210> 43327
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701037040H1

<400> 43327

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cgtgtttgtt gagagcgaga aacacctgtt actctctgat gaggcgcatt cgaatccggt 120
 gcatgagcaa cgttccccgag aacacggtgt attcggggcc cacctcgag agctcaacca 180
 agcgcgtcac gctgagccag ttgcgccaga agcaccgctc ctcccagccc atcaccatgg 240
 tcaccgccta cgactacccc gc 262

<210> 43328
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037112H1

<400> 43328
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 ttctggccac tacttccctt gctgacgctc gttttctttc ggtggaagat ggtcatgac 120
 accatcacca ccaccaccca aaaaaacact ggctccaac cacacaaaat gaaccttcaa 180
 acgtagaaaa caaggagaac actgaggtgg aggatggcca tgatcatcac catcactacc 240
 cacctaaaaa acactggcct cctaccacac aaaatga 277

<210> 43329
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037141H1

<400> 43329
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 aacaagttcc ctctaatat tcttgctagt gtttgtctca agcttgatcc atgctaaggc 120
 ataccaaaat ctatactgtg gcagaggaac cagatgctat ggaaagtaca tcacatgtcc 180
 tgctgaatgc cctaacagtg aaacaaacaa tctaagact aaggtttgcc aaatcgagt 240
 caacaaacct acttgcaagg cagtctgcag aagtc 275

<210> 43330
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037143H1

<400> 43330

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ataaaccact tatggatttc atgtctgatt tgcctgagaa cgaacagggtt atattggtgg 180
ggcacagcgc tggagggttg agcattactc aggctgtca caagtttgca aacaagattc 240
gttttagctgt ttatgtggca gcaactatgc t 271

<210> 43331

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701037156H1

<400> 43331

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tttggcaaca gtttctctcc aaacctcagc ttcacagtg ggtaaattca tcgacgaaac 120
catcacttcc cacaagatcg tcattttttc caagacctat tgcccgtact gtagaagggc 180
aaaagctgtt ttcaaagagt tgaaccaagt tccacatgtt gttgagctcg acgagagaga 240
ggatggttca aagattcagg atatcatgat ta 272

<210> 43332

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701037212H1

<400> 43332

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gaaagttaag gttaagaagt gtaagggggg taccctgag ggtggtgatt ggttgaggag 120
gactagaggg tcagttgctg ttaatttaga tactggtgag gcagagcttc aggaagcgag 180
tgctagtgat ggaggggcac aggacaatgt tgtagagttt cctcagatgc ctgccccaaat 240
cgtggccgca gcagcatctg catcaagcag caccactcgg 280

002230.211550

<210> 43333
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701037322H1

<400> 43333

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ttgttcttgt tgggtggaagc acaaggattc caaagggtaca acagcttttg aaggactact 120
ttgatggaaa ggagccaaac aagggtgtca accctgatga agcagttgcc tatggtgctg 180
cagtgcgaagg aagcattttg agtggagagg gtggtgaaga aaccaaagac atccttctcc 240
tggatgtggc tcccctcact ctcggaattg aactgttggg gga 283

<210> 43334
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037352H1

<400> 43334

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ccccactcac ccattagggc tgggacttgc tctcaacttt tctgtcttct attatgaaat 180
ccttaactcg ccagatcggg cttgtaatct tgccaaacag gcatttgatg aggcaatttc 240
cgagcttgac acattgggtg aagagtcac aaggatagt 279

<210> 43335
<211> 158
<212> DNA
<213> Glycine max

<223> Clone ID: 701037405H1

<400> 43335

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agcaggccca taagcccaga agcaaaagct tgacctaggt tacacatcaa taaattggat 120

tgacagagga cagagaaacc ctagggagga agcagcgg

158

<210> 43336
 <211> 155
 <212> DNA
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<223> Clone ID: 701037419H1

<400> 43336

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gttttagccga agcagctcca agcttggaag tggtgggcac aaagcaacaa caccactga 120

aaaggattgc agaagcattg gtgaaatcca atggg 155

<210> 43337
 <211> 153
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037435H1

<400> 43337

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aattgttgca gccattgcca cactcggaag tgc 153

<210> 43338
 <211> 152
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037453H1

<400> 43338

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gcctgcttgc tttatgaata tttatattaa aa 152

<210> 43339
 <211> 197

<212> DNA
<213> Glycine max

<223> Clone ID: 701037465H1

<400> 43339

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gctttgccac aacatgggaa ggtgattgtt atagactata taattccaga agttccgat 120
tcaagcaaaa tttctatgca aacttggtt gctgatagtc tcatgttttt agtaacaagt 180
ggaaaggaaa gaactga 197

<210> 43340
<211> 195
<212> DNA
<213> Glycine max

<223> Clone ID: 701037476H1

<400> 43340

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tggaaggaa catcgattgg gatggaatgg cgaacttctg gtctccgatg aggctcgcag 120
ggagttctcc aatctccgtc gcgctttcga cgaggtaac tcccaactcc aaaccaagtt 180
tagccaggaa cctga 195

<210> 43341
<211> 152
<212> DNA
<213> Glycine max

<223> Clone ID: 701037479H1

<400> 43341

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cctcctccag cacctttgtt cgacccagag gagctcacac agtggtcctt ctatagagcc 120
ctcatcgctg agttcatagc aacctttctc tt 152

<210> 43342
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701037851H1

<400> 43345

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 ttacataact gcccaggctg tgagagttcc aggcaactcta agtctgtaac tgcttcccaa 120
 tgattgccaa tcttctgcct gtgacttaaa atttccataa aaatggcggt ctacattgtc 180
 tccttcatat tgctatactg catccacca ctggacccat gaataagttc cggtgccaag 240
 tgactgacta acattatcat ctgctcattg a 271

<210> 43346

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701037855H1

<400> 43346

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 actgtgcatt gctatgtgat cttgatgtct ccaagtgcac aatcactgat gctgggattg 180
 cagtcctggc acatgccgaa cagattaatc tgcaaactct ttctttgtca ggttgcaactt 240
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<210> 43347

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701037857H1

<400> 43347

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 tctgataaaa ctggaactct gaccatgaac tcaatggagt tcatcaaatg ttctgttgct 180
 ggggtagcat atggccgcgg tgtgacagaa gttgagcaag ccatgggtaa aagtaatggt 240
 ttacctattt ttcagagca tattaat 267

<210> 43348
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037858H1

<400> 43348

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 ttgcgtatca gaagacttca ttttcttctg catttctccg ttaaagaaaa agcaagaaca 120
 aaattaaatt tactattttc tgtgtgacac tgtgtcttat ttatgctctt tctgtatttt 180
 ctttctacat ctatattcta aaccttcctt ttctttctg tctgcacctg cgttttcatt 240
 tattgatgtc cttcttttgt tttatt 266

<210> 43349
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037871H1

<400> 43349

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 tgccgcgttaa gccaaaccgca gaagctatcg gcgtacgatg ttctgatgga gtacgggttc 120
 ccggtgggtc ttcttcccaa gggagccata gggatttcgc tcaacagaga cagcggcgag 180
 ttgcgagtgt atttccaagg agcgtgcagc ttcgacatag agtcctacac gctcaagtac 240
 aaatccacca tcacgggtgt tatctcc 267

<210> 43350
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037903H1

<400> 43350

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 aaggctaaca tcacctaatg ctgacgaggt tgcccgtgaa gaattgttgg agactggaat 120

ggcaaataca catttggtt ctgctgatca gagagaacga ttaacaatgt ctgtggagag 180
 aataaaccag tcgggtgaga gaattaggga gagccataga accttgctgg agactgaaga 240
 actaggtgtc aacatcctcc aagatttgca cagtcagaga gagactctac tg 292

<210> 43351
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037922H1
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 ttgttctgtc tttcagttat gtgtttcagc tggccctgcc cttggcctct ggccccaaga 120
 tatcttcaaa cttcaaagtt tctcttgttt tgtcttcttg aattccacct tcatcaacct 180
 agagcccctt aaaacttaaa agtgtcctaa tttagttaat tgatcccata ccatagtcta 240
 ttccattaat gtcaggtggt gaagacactg agggctacaa gtactgg 287

<210> 43352
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037931H1
 <400> 43352

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 ctcatccca tggcctcaga agagcccact gtcgcggtgg aaccgctcc cgaacctgcc 120
 accgccgagc ctcccccgga ggagaaggag gagcccaaac ctgaagccaa ggctaagaaa 180
 accaaggaac ccaaacctaa aaaggtttcc agaccacgca accctccac tcatccttcc 240
 tacgaggaga tgattaaaga cgcaattacc tcgctgaagg agaaaaccgg ttcgagccaa 300

<210> 43353
 <211> 285
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037936H1

<400> 43353
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 gataagaaac gaatgcttca tgctgtctac cgtgttggtg accttgatcg caccatcaaa 120
 ttttacacag aatgttttagg aatgaagctt ttgaggcaaa gagatatccc agaggagaaa 180
 tatgctaata cttttcttgg atttggcctt gaagaatccc attttgttgt tgaattaaca 240
 tataattatg gggttacctc gtatgacatt ggcgatggct ttgga 285

<210> 43354
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037944H1

<400> 43354
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 tttggcagag ttccatgcaa ctctgatttt cgtgttcgct ggtgttggtt cagccatcgc 180
 ttacaacgag cttacaaaag atgcagcctt ggatccaacg gggctgggtg cagtagctgt 240
 ggcccatgca tttgcactgt ttgtagtgtt ctccgtcgca gccaa 285

<210> 43355
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037951H1

<400> 43355
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 aagcttcacg tgcactcatg gatcccaacc agcccggtgg tgaaaactac gccaatccca 120
 ggacttgctt ctttcacgct ctcttcaagg ctgcagcctt ggcattttac attctctcgg 180
 ccctctttat tgataacttt gtcacatctt tcgtggtgac cgttcttctt gccgcccttg 240
 atttttgggt agtgaagaat gtgagtgggc gaatttttagt tg 282

<210> 43356
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037966H1

<400> 43356

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 cacaatgggg gcaacacttg caaggctacc ctctatctct tattcataac cacagccttt 120
 tttatcgcaa actctgcaag gattctagat gaagtggaat cccaacccca agccataggc 180
 aatctaccag cacctggagc taccaatcct tcttcacaa cagctccagt caccaccaca 240
 ccacagatag atcctgccac cactttgccca agtggccaaa catc 284

<210> 43357
 <211> 159
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037995H1

<400> 43357

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 ccacgagtgg tcgcgagtac aaggtaagg acctttccca ggccgacttc ggccgcctcg 120
 agatcgagct ggccgagggt gagatgcccc gcctcatgg 159

<210> 43358
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038011H1

<400> 43358

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 tcaagagatc gtcgatcatc ggacggtcga ggaccagcgt ggcggtggag gtgtacgata 120
 gccccggtgt ggagtacctc atcgaagttg cttcccgcag cgctgctgca aggttttcaa 180
 tgccgctaag gaacttgtgg ctgagattcg tcgcaaagtg gacccaccca ccagcgttat 240
 gctcgggaag gaagtctttt ggctctgcgt gaagcctgg 280

<210> 43359
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038036H1

<400> 43359

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 tgaaccgaa cccgaaccg aacctcttc gattgcgag gctcaattgc tcagtatcag 120
 acggcacctg tccgtcttcg gtggtgccac ggactcttct tctcttgagg tgaagtcttt 180
 gttcagaaga aagcagcaga ggtgtcttct gagctcaaag ggacctccat atttctggtt 240
 ggtttgaaga gctcttttaa aactagtttg ggga 274

<210> 43360
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038050H1

<400> 43360

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 ctacatgacc attagttcca aaaaccact gactactacg agtgcccgtt gtctgcttca 120
 gaatcactcc ctgaggaacc cccgaatccg aatcgcttga cgaagacgaa tcaactgcttg 180
 aactgccaga gctactagaa ctactacttg catggcctcc aacaacatct ttatctttct 240
 caatctccac aggggggaac atactcggtg gcat 274

<210> 43361
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038076H1

<400> 43361

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 aaccattcat aatccgaatc ccaaaaccaa aacctagggt tccaattca caaaatccac 120

aatgaaagcc tctttgaagt ccgagaagaa cacaagaaac ccctcttccg tgcaaaagtc 180
 ccactgagca tcctcggcaa gcccttccaa tccggcatag tcgctggcga atccaaagaa 240
 ctcacactca acctttgcac cttcttcgaa tcgg 274

<210> 43362
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038077H1
 <400> 43362

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 acaagaagag ttgtccccgg tgcatttcac tgtatttaga gtcgtagaga aagtttcaag 180
 aaccgatata cgtatgcctg ccagcctcgt caggcttttc tttcatgact gctttgttca 240
 aggctgtgac gcatcaatth tgttgaacaa ca 272

<210> 43363
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038088H1
 <400> 43363

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 cttcaatgaa aagagcagta tagagaactc actgagattg ctgagcaggc caagaggaga 180
 gctgaagttg caaggcttcg tgagcttcac acacttaagg gacatgttga gtctgtggtg 240
 aagctgaagg gtctggacat tgacacaatc cag 273

<210> 43364
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038189H1

<400> 43364

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 agatgggatc ataaataccg aagggttccc gattataaaa gggaaatttc aactatcccc 120
 agaaatgccca attatggaca cagctgacat tccatgggtg agcttaggtg acccaaccat 180
 gcacaagggtt atatataatc atgcgtcaaa gattatacga tattcacatt taacagattg 240
 gtggcttggga aacaccacaa gtgaccttga acctgggtgt a 281

<210> 43365

<211> 113

<212> DNA

<213> Glycine max

<223> Clone ID: 701038251H1

<400> 43365

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 ctcggcattt cctttcccaa gatagtagaa gatggcagac actgaggata ttc 113

<210> 43366

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 701038556H1

<400> 43366

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 gggaaagtct taccctaactg tgagtgtgga ttaccagaag gccgttgaga aggcgaagaa 120
 gaagctcaga ggcttcatcg ctgagaagag atgcgctcct ctaatgtcc gtttggcatg 180
 gcactctgct ggaacctttg acaagggcac gaagaccggt ggaccttcg gaaccatcaa 240
 gcacctgccc gaactggctc acagcgctaa caacgggtctt ga 282

<210> 43367

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701038585H1

<400> 43367

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tcccacacca agtgcaaaat caaaagcact tcgccacctc ccaaaccctc caagcccaaa 180

gcctcgtctt cccttcattg gccaccttca cctcttaaaa gataaacttc tccactatgc 240

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<210> 43368

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701038590H1

<400> 43368

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ttctttctcat cgagaagctt cgcgaaacgaa aacaaagaac cctagacaga tccattccat 120

agccatgtca ggtgttggcc ctctatctca ggattgggaa cccgctgtcc tccgcaagaa 180

ggctcccacc gccgccgcca agaaggacga gaaagccgtc aacgccgccc ggcgctccgg 240

cgcggaatt gaaaccctaa aaaagtataa tgctggga 278

<210> 43369

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701038604H1

<400> 43369

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aatctaggtg caaattgctt gtcttgaata gaatgccagg agaagaagta ttagctcaag 180

aagatgagag gggtagatgt tttgagcctg aaacctctga ggatgagtgg cggaagtctc 240

gagctagatc tctta 255

<210> 43370
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038606H1

<400> 43370

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 gtgtaccaga gagaaccaga atcttatgaa actgaagaga atgggagtag gaatgctgca 180
 gaagatggtc ccagctcctc agcaacagcc gctgctgatg gtgattatct tgatgacata 240
 gatgacgatg acga 254

<210> 43371
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038624H1

<400> 43371

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 ggtggagagt gctggtgaat gtgggaaatc taccacccca gataatgagg cttataagct 180
 tgcaccatgt gcctcagcag cacaagatga gaatgctagt gtttctcaga gttgctgtgc 240
 tcaggtgaag aa 252

<210> 43372
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038630H1

<400> 43372

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 atccaaacag ctgttgtggc caaggaagcc ttggaaggac actgcatata tgatggaggt 120
 ttttgcaagc ttcacatctc gtattcgcgt cattctgatc ttagtataaa ggtgaataat 180

gatagaagta gagactatac tattcctaata gtaccaccac ctgtagtgaa tgctcagccc 240
tcaatttttag gg 252

<210> 43373
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701038632H1

<400> 43373

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tctggtgatt tctgctgag tatggcgggt cttggagaaa gatgcttata ctttcttgtc 120
aatgttgtaa tagcagaatg cttgctagaa gtattctctt cttttgtgta acttggggtt 180
gtatgattgc ttaaattagc taatactttt agctataatt ggaactcttg gatcctcttg 240
tgcgtgcctt gttt 254

<210> 43374
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 701038640H1

<400> 43374

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aggtgacacg tgaaacagcc catgtattac aagaacatta tctgaacgt cttggtcttg 180
caatactgta caatgcacct aagttctttg aaccattttt cactgatgga aagcccttat 240
tagagactaa g 251

<210> 43375
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701038641H1

<400> 43375

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 taatttcatt ctcttcttga tagaaccctc cggagacctt gccataaacg acaagtgtc 180
 cttgctttcc cagcttattc ccactctctc atcttcattc cttgaagacg cgtatcaaca 240
 ccaccttgac 250

<210> 43376
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038645H1

<400> 43376

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 ttctagatcc tgcattgctgg gaaaaccaac aaaaattctt acaagacact cattgcagcc 180
 gagtatgctg gcgtccaagt tgattttgcc cctaattttg agatgggtgt ctccaataaa 240
 actcctga 248

<210> 43377
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038647H1

<400> 43377

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<210> 43378
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038656H1

<400> 43378

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 gctatcatcg gccaaagacgg aagcgtttgg gctcagagca ccaacttccc tcagttcaaa 180
 cctgaggaaa taactgccat caataatgac tttaatgagc ctggatcact tgctccaact 240
 ggattgtat 249

<210> 43379
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038657H1

<400> 43379

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 aatgcaaagc ctctgaaatt taacggggga agaatccaat ttgagaatgt acattttagt 120
 tacctcacag aaagaaagat actagatgga atatcatttg ttgtgccagc tggtaaaagt 180
 gttgcaattg ttgggactag tggaagtgga aaatcaacca ttcttagatt gctattcaga 240
 ttcttttg 247

<210> 43380
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038660H1

<400> 43380

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 atgtttttgt gggattgggt ttatgggatt ctacgctcgc ttggcctgtg gcagaaggag 180
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 aaaga 245

<210> 43381
 <211> 248

0053113-032200

<212> DNA
<213> Glycine max

<223> Clone ID: 701038662H1

<400> 43381

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agaccggaaa attgggcatt agttgaaaag gccaaagtatt tctacatttc tggctttttc 180
ctcactgtat ctctgatcc catacaatta gttgctgaac atgcagctgc aaataacaag 240
ttcttcat 248

<210> 43382
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701038663H1

<400> 43382

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attgcttctt tgaactccga actctccacg cgcttgccac cctcactcgc ctccgcatct 120
tcttccgcca agcaatcctt tctgcaattc ccgtcgtgca cgcgccttct tcggattagc 180
actccacgcg ctcccgcctc atcgcgacct cgattccttc ctctggttca agcgaagaaa 240
caaacctat 249

<210> 43383
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701038673H1

<400> 43383

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atggtgaaga taactcttgg tactttcgat gactcttttg gtgttgccctc tcttaaggct 120
tatttggcag agttccatgc aactctgatt ttcgtgttcg ctggtgttgg ttcagccatc 180
gcttacaacg agcttataaaa agatgcagcc ttggatccaa cggggctggg ggcagtagct 240

gtgg

244

<210> 43384
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038675H1
 <400> 43384

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 gatgatgctg ggtttgaatt tgatttggag acaaaaaagg atgaagataa tgagagtgga 120
 cagtaagaac taggttccat ttgtaggta atgtgtctca ctgtaatgtg tagtgtcttt 180
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 tat 243

<210> 43385
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038678H1
 <400> 43385

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 gagatatcaa gtcaagttca agagaagaag agagggaaaa accgattacc gtgccaggat 120
 tcggttgatt aatcaggaca agaacaata taacactccg aaataccgat ttgtggttcg 180
 ctttagcaac aaggacattg ttgcacaaat aatatctgct agcattgccg gcgatttagt 240
 tcttgcta 248

<210> 43386
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038679H1
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tgccaagatt aggagaatct tcaccaccct cttggtttta caagttatat tgagctgtct 120
gattgagcat gattgaatgc ttggggacat agatgacaag ctcattggaa actgaagggg 180
aggaagtgcc atggatttag aaccattatg atgttacggt cgaaattata tacatttttc 240
ttggag 246

<210> 43387
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701038687H1

<400> 43387

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acgatctatc ggtcaccact ttctcccttg atggccgctg tttccagatc gagtatgccg 120
ctaaagccgt cgacaacagc gggactgtta ttgggatcaa gtgcaaagat ggggttgtgt 180
tgggcggtga gaagcttatt ccgtcgaaaa tgatgcttcc gggttccaat agaagaatac 240
actcc 245

<210> 43388
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 701038689H1

<400> 43388

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actaagttcc ttgcttagag tgaatgagat ggatgtaata tgtgctgctt tcagtggaca 120
gttagatctg tctattttga aatcaccatg cgtactagtt tcatcatcat gctcgacaga 180
tgagacaatt gttgcagatt cagatattga agttgaaaca gccacatcag tccgctcaaa 240
tg 242

<210> 43389
<211> 241
<212> DNA
<213> Glycine max

0053113.032200

<223> Clone ID: 701038692H1

<400> 43389

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ttaagctatg ggaaagtctt acccaaccgt gagcgctgat taccagaagg ccgttgagaa 120
ggcgaagaag aagctcagag gcttcacgc tgagaagaga tgcgctcctc taatgctccg 180
tttggcatgg cactctgctg gaacttacga cgtgagctcg aagaccggtg gtcccttcgg 240
a 241

<210> 43390

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 701038718H1

<400> 43390

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ggtagatgac ctcttaagag gaaaagcttc agcagttgca actgaggaaa aggtgcatga 120
aaatggtaag cagctgggtt ttcaattgta ccaataatgt aatgggtgttc gacccacact 180
ggattataaa gagttattta catattgatt atttcctttg ttaaatgaac gagtgaagtg 240
aaag 244

<210> 43391

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 701038731H1

<400> 43391

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caggatttcc ttcagcagtg tttcaaaagg aatccagcag aacgaccatc agcagcagtg 120
cttcttacac acgcctttgt acaaaatttg catgagcaag atgttcaagt tcattcacia 180
gggcaaagct gtcccagagg agacgctgga ccaggagatg attcacgtag gcatagtc 240
agtaa 245

<210> 43392
 <211> 248
 <212> DNA
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<223> Clone ID: 701038732H1

<400> 43392

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 agcgaggtgg tgtttccgtt tccgcctcta aatccgagga tcggaagcga atcaacgacg 180
 ttctcgataa gcacttgga cgatcctctc cttccacttc ccgccccatc aacaccgctt 240
 ccaagaat 248

<210> 43393
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 <212> DNA
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<223> Clone ID: 701038742H1

<400> 43393

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 tagtgatgga gttgtttgcc gatgcaaccc caaaaacagc tgaaaacttc agggctctct 180
 gcactgggga aaaggggatt ggacgatctg ggaaaccttt acactacaaa ggttct 236

<210> 43394
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<223> Clone ID: 701038744H1

<400> 43394

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 gccacccccg gctccacttt tcgagccctc cgaactcact tcttggctct tctaccgagc 180

cggaatagcc gagttttag ccacttttct ctttctctac ataaccatct taaccgtc 238

<210> 43395
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 <212> DNA
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<223> Clone ID: 701038759H1

<400> 43395

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 ttaggaacca aagcacttat atgattttat cactctgcaa aatgcttaat aaaacaaatg 180
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<210> 43396
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<223> Clone ID: 701038789H1

<400> 43396

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 tgatgattaa tcgtcccggt tcccttaact cgctgaccgc gcccatgatg gtggacctgg 180
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 <212> DNA
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<223> Clone ID: 701038795H1

<400> 43397

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 ccaagacgac ggcaaggact accaggagcc ggcgccggcg ccaactggttg acccgacgga 180

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gtttacgtca tggtcctttt acagagcagg gatagcagag tttgtggcca cttttctg 238

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<212> DNA
<213> Glycine max

<223> Clone ID: 701038852H1

<400> 43398

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attgtgtaca ggaagtattt gcacctaaat agttttctct gttatttttg tattatctgt 180
aaaactagag taaaggt 197

<210> 43399
<211> 190
<212> DNA
<213> Glycine max

<223> Clone ID: 701038859H1

<400> 43399

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agagggctct atctagttaa aattaaatag ttattgtgct tttgttttat tagacagttg 120
taaggcactg tgttctacat gtgtttgcag ttgtctgcat gcattgtaat tttcaaagtc 180
cgctttatca 190

<210> 43400
<211> 152
<212> DNA
<213> Glycine max

<223> Clone ID: 701038862H1

<400> 43400

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atttagataa attgtacata gcttgagat gaattcctga cctgtttcta ttcttctttg 120
ctacacccaa ttagagatac tgttgattga cc 152

<210> 43401
 <211> 190
 <212> DNA
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<223> Clone ID: 701038867H1

<400> 43401

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 aaaggggtatt cttgctgctg atgagtcaac agggacaatt ggcaagcggt tggccagcat 180
 cagtgtagag 190

<210> 43402
 <211> 186
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038880H1

<400> 43402

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 agtgtttgaa gcaaccaagg ttctaagtgg actttgctct gcttacacta aacaaggtag 180
 caaagg 186

<210> 43403
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 <212> DNA
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<223> Clone ID: 701038887H1

<400> 43403

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 cactgcgtat tatgacatat taggtgtcaa ttatgatgca tctgctgcag agatcaagaa 180
 agct 184

<210> 43404
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 <212> DNA
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<223> Clone ID: 701038888H1

<400> 43404

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 ccaaagccga aaagaagaaa accaaaaacg ctgaaatccc caaaaccgat ggcaaaacga 180
 agaaga 186

<210> 43405
 <211> 266
 <212> DNA
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<223> Clone ID: 701038934H1

<400> 43405

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 gtggaagatg aggtacaggc tcttcgtgaa aagaaatctg ctctggacca ggagatggag 180
 ctcgctgcaa cagctgagag gaaaagttct ggttggcggg tttggtggga gtgaaacatg 240
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<210> 43406
 <211> 263
 <212> DNA
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<223> Clone ID: 701038936H1

<400> 43406

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 tacacctgat gaaccaaag cgggtgactct taatttactc aagaccatgg accctaata 180

002220-ETFE560

tcctgagaat gcgaagtcac gtgggcagct aactggaagt tctgtacaaa ccttttaagg 240
aggatgagtt acctcagagt gca 263

<210> 43407
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701038952H1

<400> 43407

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ttccggccac gcccgctctca aagaactcgg ttacaaacaa gaactcaagc gtgatctttc 120
ggttatttcg aattttgcgt ttctgctttc tattatatcg gtgttgactg gaggaccac 180
tctttacaac actgggttga attatggcgg ccgcttcgct ggtgatggg tggtttttag 240
cttctgcttt caccatgatc 260

<210> 43408
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701038960H1

<400> 43408

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cacatgaagg tgggtgcagg gaaatagtgc cacaatattt tactattagc taccttcac 180
ccatgagaag aggaggccct gatctgcaaa agcccctcac catttaatat gccaaatagc 240
actatggaga taaacaaga 259

<210> 43409
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701038982H1

<400> 43409

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 agcaatgtct ggagaatcag ccagcgctat tcacaagggt caagtcgac tcttagactt 120
 cattgactgg tctgggggtg aatgcctcaa tcaaagctcc acccactctc tccccaatgc 180
 tatcaaacag gggtatagag aagacgatgg tgcctctgga gagtgatgca gacgagcagc 240
 ttttgctcta tattccttt 259

<210> 43410
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038983H1

<400> 43410

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 acctcgccgg agcgcgagga ccaaaccaaa agcaacaaaa agaagctccg aaagagaaaa 180
 agacctcaaa agaccgagca gaaacaagaa ggagaagaac gatgcgaaca ttgatagcgc 240
 ccaaacacaa actgaaga 258

<210> 43411
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038993H1

<400> 43411

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 ctgtcaaadc aggtggccaa gtgtttaaga agaaagctaa aaagatcagg acatctgtta 180
 catttcacag gccaaaggaca ttgaagaaaa aggaacccta agtaccctcg tattagtgtc 240
 ccaccagaa acaagtt 257

<210> 43412
 <211> 264

<212> DNA
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<223> Clone ID: 701039010H1

<400> 43412

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 agcttttcat gggatctcag atttggttca gttcatgcct tgaaatataa gattgccatt 180
 tttgccgatg aaagcatctt tctcaatgaa tagaggagcc tgcattgcaat tgcaagccct 240
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<210> 43413
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 <212> DNA
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<223> Clone ID: 701039019H1

<400> 43413

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 ctctcaccat cgaggaatth aacatgcctc gcccgaaggc cggatgaagtt ctcatcaaaa 180
 ccaaagcctg tggagtatgc cactctgac tacatgttat gaaaggatgaa attccgtttt 240
 ccagtccttg tgttggtggg catgag 266

<210> 43414
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039026H1

<400> 43414

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 tcattgcatt tctccgacca gcaccctggt atacacaaaa agatattggt gttcaagttt 120
 gtgcttcag ctgctaagga catggctgat atgactcgac tggatggctct tgttccgtat 180
 tatattgact tgatcggacg atacaaatta agttctcagg ctccgtctaa aacagaggct 240

gcacgacaaa aggctgctct ag

262

<210> 43415
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701039028H1

<400> 43415

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cgacattccc gctgtgaacc gccagagctt tcagaatgag ataagatctc ttacaggagt 120
gaggcaccgc aatataatca agcttttttg gttctgtact tggaggggac aaatgttctt 180
ggtttatgaa catgtagaca gaggaagttt ggcaaaagta ttgtatggag aggaagggaa 240
attgaagcta agttgggcta 260

<210> 43416
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039039H1

<400> 43416

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tggaggacag attaaagaga aacatcgtgg aggaaacaat ggcagcaagg tattggtgtc 120
acatgtgctc tcaaattggc aatcccatca tggatatgga aatcagatgc cgtttttgcc 180
aaagtggatt tgttgaagaa atgggtaaca cccccagtag cagcagcatt cccaatacat 240
cagaatctga ttttgaatct gat 263

<210> 43417
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039041H1

<400> 43417

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ggaagggctg gaatgcccaa tatgctggga atctttcaat attgttgaaa atgtgcccta 120
 tgttttatgg tgtggccaca ccctttgtaa aaattgtatc ctgggactgc agtgggctgt 180
 tgtgaaatth ccaacactgc ctgttcaact tccccttttt atctcctgtc catgggtgcaa 240
 ccttctgtct ttccgttttag tt 262

<210> 43418
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039042H1

<400> 43418

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 agcatttacc catgggtgtg aatgaggccg atattgaaga gcgaataatt caacatttga 120
 ctgctgcagc cgcaatgagg agatctcatc acctcagccg gaggggaaggc catcgaacta 180
 ggccatctgc tcatggccgt ccacacttct tagtatactc aactcagcct agtgcaccac 240
 catcagctgc aggaggggga a 261

<210> 43419
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039046H1

<400> 43419

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 agaacattat ggttttagttt tgcatccag catttcgaca cgatgataat tgggagaagg 180
 ggatatagtg atatcttgta taattagtgt tttgaactgc tacgagttcg taaaatgtat 240
 tgcccctttg atttctca 258

<210> 43420
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039060H1

<400> 43420

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 aggcgtgcc a ctggtggcaa gaagaaggca tggaggaaga agagaaagta tgagcttggt 120
 cgccagcctg ctaacactaa gctgtcaagc aacaagacag tcaggaggat ccggggttaga 180
 ggtggaaatg tgaagtggag ggcactgaga ttggatactg gaaattactc ctggggaagt 240
 gaagctgtaa ctgcaa 257

<210> 43421

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701039067H1

<400> 43421

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 ttataaagt acactcattt agtgtcaa at gatagtagaa aataaagtaa aaaataaaaa 120
 aaccctgtaa agtgagagac taatagagga tatttaaagt cttagggatt aaaaatgtag 180
 tagtactatg attctacaat ctgaggatt gatgtgaaga ttattccat ttaattctct 240
 tgcacactta tctcgttgga a 261

<210> 43422

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701039071H1

<400> 43422

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 gcacaagggt ttaaaaaatg gctgatgctg aggacattca acctcttggt gttgataatg 120
 gaactggaat ggtcaaggct ggttttgcag gtgatgacgc tcctagggcc gtgttcccca 180
 gtattattgg gcgaccacgc cataccggtg taatgggttg gatgggtcag aaggatgctt 240
 acgtgggtga tgaagctca 259

<210> 43423
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039081H1

<400> 43423

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 gttggcatcc ccaaaacctc ctctcaaca acccttcaag tcttgttgct tctgggaaga 120
 atccaattat gctaaaccac attatgacga tgaagacaat taaaagccg acgacacccc 180
 aacagattgg agtccattc aagctctttc aagtactgtg actgtgagca actctatata 240
 tgaggtgaaa caatcatcat cgc 263

<210> 43424
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039082H1

<400> 43424

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 ttaagcacia aagcccaacc ctctctctcg ctgttggtct ctctatttg gcattcgag 120
 atcgattacg aagtaatttc actgaatctt attgaagatg tttctcacia ggactgagta 180
 tgaccgagga gtcaacacct tttctctga aggccgttta tttcagggtg aatatgcaat 240
 cgaagccatc aagctgggat 260

<210> 43425
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039083H1

<400> 43425

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 ccaatgaggg aaataaagggt gcagaaactc gtcctcaata tctccgttg tgagagtgga 120

gatcgtctca ccagagccgc caaggtggtg gaacagctta gtggccaaac cccagtgttt 180
 tccaaagcaa ggtacactgt tcggtccttt gggattagaa gaaatgagaa gattgcatgc 240
 tatgtcactg ttagaggtg 259

<210> 43426
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039091H1
 <400> 43426

cccctttact cgtgatagcc acaaactcgc tgcttatttt gatttgaact ttgaagtttt 60
 gttattttgt gcaatggcag ccaagagcaa aatcctagtc cttggaggaa caggatacat 120
 tggaaaattc atagttaagg caagcgcaga agcaggacac cccacttttg ccttagttag 180
 agagagcacc ctttctcatc ctgaaaaatc taaacttatt gagagcttca agacctccgg 240
 agttactctt cttt 254

<210> 43427
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039105H1
 <400> 43427

aaggcaatga atctgatgca ggcggttcgc tacgacgcct acgggggagg tcctgccggc 60
 ctcaagcacg ttgaagttgg cgttcccagt ccaaaggcaa atgaggtttt aatcaaactg 120
 gaagcagtta gcattaacct cattgattgg aagattcaga aggttcttct ccgtccttta 180
 tttctcccca gaacctttcc ccacatacct tgcactgatg tggctggaga aatagttgag 240
 atcggaactc aagtcaaaga tttcaaagtt ggcgac 276

<210> 43428
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039106H1

<400> 43428

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 tcagttggta tttcgtctat acatgcttcg ttggggccct tggcggttct ctctttggct 120
 atgatctcgg tgtttcaggt ggggtgactt caatggatga tttcctgaag gaattcttcc 180
 caaaggttta cagaaggaag cagatgcac tgcataaaac agactattgt aaatatgacg 240
 accaagtgct gacactgttt acatcatctc tttta 274

<210> 43429

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701039123H1

<400> 43429

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 tgccctccatc agcagcaaga tagctcccaa gtcaggggaa gacaaggtag gaggaggtgc 120
 tgaaaagggtt tcgtgggtcc cagaccctgt cactgggttac tacaaaccgg agaacatcaa 180
 agagattgat gttgctgagc tgagagccac ggttttgggc aaaaaattca accactagct 240
 cgctagctag ttaatttcaa taaccttttt ggt 273

<210> 43430

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701039131H1

<400> 43430

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 ttccccaga gatgatgcca tgcagcttta ccgtgctttt aagggtttg ggtgtgatac 120
 aagtgtgtt atcaatatac ttgctcatcg agatgctaca cagcgtgctt acatccagca 180
 agaatacaaa gcaatgtatt ctgaggaact ttccaagcgc ttagcttcgg agcttagtgg 240
 aaagttagag actgcagttc tgctctgg 268

<210> 43431
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039136H1

<400> 43431

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 acacactcat cactcatcat attcattcac acttcccact ttccaatatg gaatgctgca 120
 taatcgccag gctcaagacc caacctttat ggttcgcgct gctcttcggt gtcggattgt 180
 taacgattct caaattggct ttcggtgttt tcagatgggt ctacgtcaat ttcctccgac 240
 caccgaagaa tctcaaaaag tacggatctt ggg 273

<210> 43432
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039153H1

<400> 43432

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 gcggaagagc gattcacggg cgtgggtgcag tgggtcaaca atggcaaggg cttcggcttc 120
 atcaagcccg acgacggcgg cgaggatctc ttcgttcacc agtcctccat cagatccgac 180
 aagtcccgcg gccccttctg gaacctctc cgctcgtct tcggcggaat cgtgaaacct 240
 atccaaacct tcggtcagtt cctcggtccc 269

<210> 43433
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039172H1

<400> 43433

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 aaagaagaag aagcaaaca tggccgatca acttaccgat gaacagatct ccgagttcaa 120
 ggaagccttc agcttggtcg acaaggacgg cgatgggtgc atcacaacca aggagcttgg 180

002220"ETTESO

aactgttatg cgttcattgg ggcaaaaccc aactgaggca gagctccagg acatgatcaa 240
tgaagtggat gctgatggga atggta 266

<210> 43434
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701039183H1

<400> 43434

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taaaatcgtc tcgtcttcat tccttttttt tccggtttat agaattgaaa agatttcatt 120
gataattgag caaacacaat gagtgctcca cctcatcatg atgatgacga cgacaacgaa 180
gaagttttcc ttgatgagtc tgacatcatc catgaagttg ccatggataa tgaagatctt 240
cctgacgctg atgatgatcc tgaactcct 269

<210> 43435
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701039184H1

<400> 43435

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catcaaagaa gcttttgaaa gagaatgcc tggagttggt tcatgtgctg atatcctcgt 120
tctctctgcc agagatggca ttgttcgct aggaggtccc catatccctc ttaagactgg 180
aagaagggat ggtagaagga gcagagctga tgtggttgag cagttcctcc cagaccacaa 240
tgagtccatt tctgcagttc ttgacaa 267

<210> 43436
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701039212H1

<400> 43436

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aattatggtg acgtctcaga gtcagaacct tatagagcaa atccaagcgc gcttcaagga 120
gttgagact ggcttccgcc tctggctctc aagcagtccc tccccgtcga ggccgccgtc 180
gtcaccacca ccagcgccgc ccagggcgcc gctatcggcg ccttcatggg caccctcacc 240
gccgacgcct cctccacctt cccacccct ccgccaacg 280

<210> 43437
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701039225H1

<400> 43437

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tcgttgggag cgaacaagtt ccccgagaga cagccaattg ggacggcggc gcagagccaa 120
gacgacggca aggactacca ggagccgcgc cggcgccgct ggttgacccg acggagttta 180
cgtcatggtc gttttacaga gcagggatag cagagtttgt ggccactttt ctgtttctct 240
acatcactgt cttaaccgtt atgggagtcg ccggggcta 279

<210> 43438
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701039260H1

<400> 43438

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attctagaaa ggaggtccta ggttggttat catgggagag accaaacaac ttgttaccct 120
tttgacacaa tttcaagagg catgaggatg gtcaaggata tagtggaata aagcagatcg 180
agtaaaacga gcaaacgatt actaaggaaa accctcaaga atatgactcc tctactgcag 240
gaaatcaatc aatacaatga acacttgac c 271

<210> 43439
<211> 271

<212> DNA
 <213> Glycine max

<223> Clone ID: 701039279H1

<400> 43439

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 cgaagcactg ccaaataaaa atggagtggc ctgcgtgtac ggacgaatac gaaaagctca 120
 taattcggat gaacactccc aggttgatcat tgacaattcc gttttctcct cagctacgct 180
 agtcaagggtt gacagcgcca gaaggcatgg tattctattg gatgctgtag aagtgctagc 240
 tgacctgaac ctttcaatta agaaagcgta t 271

<210> 43440
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039310H1

<400> 43440

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 gaagaacagg aagaagagag gtcacgtcag cgccggacac ggccgtatcg gaaagcaccg 120
 caagcatccc ggaggtcgcg gtaacgccgg tggcatgcat caccaccgta tctctcttca 180
 caagtaccat cctggtttct tcgggaaggt aggcattgcgc tacttccaca aacttcgcaa 240

<210> 43441
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039322H1

<400> 43441

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 gcacttaagt gcccatccat tgaagttgct gttgttgata tctctaaatc ccgcattgca 180
 gcctggaaca gtgaccagct tcctatctat gaacctggcc ttgatggtgt tgtgaag 237

<210> 43442
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039327H1

<400> 43442

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 ttccgggggt ggcgatgctg acgtggccga tgggtgcgga tcagtataca aacgcttctc 120
 ctccccgaac ctcaagttccc gaacccgaag caaacgcaca acccggaaga cccaaacggc 180
 gttgtttcgt tcccaaattct cccaaattcc ccattctacc cctgggtggca gatca 235

<210> 43443
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039345H1

<400> 43443

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 cacagaccaa tcagtgccag tgaatataca cgagaataaa agcatttttag gaagttgtgc 120
 aatctaagca ccacgattca tcgaccagta gaagttgcct tttgctgaaa tcacattctt 180
 tggttaaccaa aatgtaatat caatcttgga gtcatagcag tgtttgtgag tgttgata 238

<210> 43444
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039347H1

<400> 43444

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 caaaggacac cgaggaatat cttgtctcac atggactgaa gaatgcttta tacacaatta 120
 gagctactga tttgaaagag gatttgtttg gcatgcttgt tccttgccct ttccaggaac 180
 cttctaccaa agagggcaca tcaaataagg acgtatctaa acagagatct ttgggagtg 239

<210> 43445
 <211> 267
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039411H1

<400> 43445
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 gccccgctcg ccaaggttat caatgacagg tttggcattg ttgagggttt gatgaccact 120
 gttcattcca tcaactgntac ccagaagact gttgatgggc catcagccaa agactggaga 180
 ggtggaagag ctgcttcatt taacatcatt cctagcagca ctggagctgc cnnngctgtt 240
 ggaaaagtcc tccctgcttt gaatgga 267

<210> 43446
 <211> 296
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039509H1

<400> 43446
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 aaaactaaaa tcatgatgaa aaagcaatgt ctcttgcct tctcactagc actgctagtt 120
 tcatttttgt atttcaccac cacttttagcc caattatcac cagcttctgc ccctcaaaaa 180
 ccagcccaac ctacccttac agcaccagct gcagctccta aaccattggg tccctcattg 240
 ccacagtcac caagtgattc aaccctgac agtactccag ctgttgacat tgttgg 296

<210> 43447
 <211> 141
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039531H1

<400> 43447
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 atgatttcct aaccatgaat catactgaga ggtagttac tagttattga aaaacagtgt 120

002220" ETTES60

tacatgccat tattccacac a

141

<210> 43448

<211> 151

<212> DNA

<213> Glycine max

<223> Clone ID: 701039543H1

<400> 43448

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ctctctgctg ggaactctgc gagaccaag cttcagagat acgcgcttcg ttcctcctct 120

aatccaagg aaaacaagcc agacgcacct g 151

<210> 43449

<211> 165

<212> DNA

<213> Glycine max

<223> Clone ID: 701039560H1

<400> 43449

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acaatttatt gattactgta aatccaaggt gtttactgtc ttagtagaacg tttatgttgt 120

atattgtagg ttcattggcag gagaaaaaag ggagtaagtt ttcatt 165

<210> 43450

<211> 151

<212> DNA

<213> Glycine max

<223> Clone ID: 701039642H1

<400> 43450

ccggtcgctc cactccgaag aaggttctca attttcgaga aaccgccacg tggcttctgg 60

aagcagcaag tttggtctag aaagatccca aggagtcggt ccgaacgagg atccaccccc 120

ttccttgacg aacacagaga cgtgtgtttt g 151

<210> 43451

<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 701039670H1

<400> 43451

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 ttcatttcat ttcgagtaaa agtaaaacac agttcctgat ccatggcatc tcgccgccgc 120
 atgttggtga aggtcataat cctcgga 147

<210> 43452

<211> 80

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039727H1

<400> 43452

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 cagnttgga tcccccttnc 80

<210> 43453

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701039793H1

<400> 43453

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 tcattaattt cacatccagt gattactttt tacctccctt catcaataaa atgccaaatt 120
 tgagggcatt gataataata aactacagca cctcatatgc ccgcctccaa aatgtttcag 180
 tttttaggaa ttgaccaac ttgagaagtc tctggcttga aaaggtttcc atccctcagt 240
 tatcaggcag tgtcttgcaa aac 263

<210> 43454

<211> 127

<212> DNA

<213> Glycine max

<223> Clone ID: 701039803H1

<400> 43454

caccattctg ttggtgccag atattgctcg agaattttta ttaaataacc cttgcgaatg 60
 ttgattatag tgacactacg ctattttcta tgtgatgtgg acgcaatcca aattccaatt 120
 taatttc 127

<210> 43455

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701039823H1

<400> 43455

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 tccaaacttg gttttcatcc accagcttgc aactcaacaa aaattcacac ccaataaggc 180
 tttttgttcg ggctgctaga attgagtgcca aaggtgttac cttgggtttc aggacccac 240
 aatttcagct tccggagccc cttaccggga cgacctggac att 283

<210> 43456

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701039883H1

<400> 43456

cagctgtctg ctgtagatc tgtaccgcc tagccattga tttggaaaag tccaacttca 60
 aggatgagta agcttcagag tgatgctcta agagaagcta tctcaggaat catggctgat 120
 tccaaggaaa agacaggaaa tttgtggaga ccattgaact ccaaattggg ttgaaaaatt 180
 atgatcccca gaaggacaag cgtttcagtg gctctgttaa gttgcctcat attcctcgcc 240
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<210> 43457

<211> 268

<212> DNA

<213> Glycine max

002220-032200

<223> Clone ID: 701039887H1

<400> 43457

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tccagcgtcg gcggtggtcg gcagtggggt cgcttcacc gcctcgcca accgggcttc 120
cactttttca acctctcgcc gggaatgcc tctccggtat cctctccacc aggatctcct 180
ccctcgacgt ccgcacgaa accaaaacca aggacaatgt ttttgtgcag ttgctgtgtt 240
cgattcaata ccgagtgatt aaggaaaa 268

<210> 43458

<211> 294

<212> DNA

<213> Glycine max

<223> Clone ID: 701039905H1

<400> 43458

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tctgggaatg tttttgggtg gggcttacga ggaggcgctc ggtggagtcc acaacttggt 120
cggcggtccc agcgtggtca ggggtgtcga gagcgatggc cctcacagct ttgcggtcac 180
gcgtgccgtg ccggggccat cctgtggaga tggtcttcga gtgatgcagc accagcccga 240
gctcatgttc gagacactca agcaccgcgc gcaggagtat gtcagccacg acaa 294

<210> 43459

<211> 61

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039930H1

<400> 43459

cttgatcacc ataaccatgt tcaatgggna acaanatnch ccttcagann ggctgttnc 60
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<210> 43460

<211> 303

<212> DNA

0053113.032200

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701040078H1

<400> 43460

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gagancctta attcanggna tgncataaag cagctatgga tggaggggtt cccagttgga 120
agccatagct acgatgttag aagagnaaga gaaggaaatt actgaagctc tatataaggn 180
ccttgkanaa cctcgannct naagcattta tnaccggagn ttcnccangn naaatcctca 240
tgtnantcaa ggacttaaag agnnnnnnnc atgggtgaaa gcctgagaag gtnanttctt 300
ccc 303

<210> 43461

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701040122H1

<400> 43461

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tcttcttggc ctttgttgct tcgccattcc tcaatcctca accctctctc tgtgtctttt 120
tcttcatttc atagccaagg tggttggtgt gatgcattgc catcttacat gcgtggagct 180
gtgtattggg aaccaacaa gcctctcacc atcgaggaat ttaacatgcc tcgccccaa 240
gccggtgaag ttctcatcaa aa 262

<210> 43462

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701040132H1

<400> 43462

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aagcgtgtga tctggcgat caggtagtaa cggaagacg cataatcaat caccacctgc 120
gttaccactt tgatttcttc atggatcagg ttttggcgta tcttttggtg tcggctgcat 180

catctgctgc tacacgcgtt gatgactggc aatcgaattg gggaaaagat gatttcacag 240
 agatggcgag tgcttcaatt 260

<210> 43463
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040148H1
 <400> 43463

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 atgtcacttt gttggtttcc tcatcaacca ccatggaaag tgtgtgtctc aagagcttag 180
 aatttaaaga gcgcaactac atgggattat ctgattgttc ttctgtggac agctcggttc 240
 cgtccttctc tgaagaga 258

<210> 43464
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040150H1
 <400> 43464

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 gaaactcaac tgagcaggct agaaaatcag gtcgataacg gcggcggcgg cgctgaggag 180
 tacctctgcc tcgtgcgaaa gctgaaagt cggcggtcgg agaaagtctt gaagcatggt 240
 ctctctatcc ttaacgaccc 260

<210> 43465
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701040156H1
 <400> 43465

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 gcgattgaag attatgatca gcctgtacaa ccttttggac actccatact gccagtttta 120
 tgtctacatg aagttactga atttagctgt tgatgggaaa gtcacagaac acattatacc 180
 ttcattcaat aagattgata acttcttgaa agactggaaa attgggatac cagaacagag 240
 agagctcttt cttgctgtct 260

<210> 43466
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040180H1

<400> 43466

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 accacttgaa gcaactccgcc caaagttgca gccaacacaa caacatgctc gttcaagacg 180
 ctacagcttat gctccagcag atgataatga agttgatggc tgcagcagtg attcatcagc 240
 agagcatcag agtgcc 256

<210> 43467
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040185H1

<400> 43467

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 agaagcatct gaagaggctt aatgccccaa agcattggat gcttgacaaa ctgggtggtg 120
 catttgctcc taagccctca tctggaccac acaaatcgag ggaatgcctg ccactcatac 180
 tcattttgcg aaaccggctg aagtatgctc taacataccg tgaagtcatt gctattctga 240
 tgcagcgaca tgcctt 257

<210> 43468
 <211> 300

0053113-032200

<212> DNA
<213> Glycine max

<223> Clone ID: 701040227H1

<400> 43468

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gtttcgtttc ccagattctt ttgtaaaaaa aaataatctt cctttgcca acaggtaagt 120
tggaaaaaaa tggaccatga caagactggg tgccaagctc ctctgaagg tcctatattg 180
tgcatacaaa actgtggatt ttttggaggt gcagctacca tgaatatgtg ttctaaatgc 240
caciaagaca tgttgctgaa acaggagcag gccaaagctt cagcatcatc cattgggaat 300

<210> 43469
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701040252H1

<400> 43469

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actcaaagta ccagcacgtc tttccatata tgtggagcct aatgtgttga aatttgacaa 120
cattggtgaa gagaagagct ttaagttgac agtggaggtt acaagaccag gtgagactac 180
tgcatttgga ggtataaactt ggtcagatgg caaacgtcaa gtgaggagtc caattgtagt 240
tggtgggggtt agagggtaga tcattatcaa gtgataacac ataattaatt agg 293

<210> 43470
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701040284H1

<400> 43470

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cgagttagaa ggccggatcg ttgtggagct cttccacgac gtcgttccca aaactgccga 180
gaatttccgc gccctctgca ccggcgaaaa gggcatcggt cccaacaccg gcgtccccct 240

ccactacaaa gtcattcatt aattctacaa gctgggtttg taggggtgag tta 293

<210> 43471
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040286H1

<400> 43471

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 gatgcaaaaa aacatgggtac cctctattgt tggttggtgc tgacactctt catagtcgca 120
 aagtaggtga ctagcagtag catgtgagtg aaggagcctg cagttttttt ttatcgtact 180
 gtactatggt tgttatgtaa tggatatcatg gtaagctgac caaagtgacg gatttggttcc 240
 atcactgcct tcagggaaag aagttaactc atagcaggtc catacaaaca tg 292

<210> 43472
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040288H1

<400> 43472

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 tcggaaccag ttagcaatgt tcagattctg gggatcacaa gagcaacaat cgcaggatgg 120
 ttcttcgcag tcacagtcgt ggtatccgcc atcggtggtg agttcaccta cttcatcgag 180
 gcctgttaca ccgactgcat cttcttcttc attatcgag aggccttcgt ctcatgttcc 240
 accttccgaa gctgctgcag ttattgccgt tttgaaggac aagagtgttg at 292

<210> 43473
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040310H1

<400> 43473

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ttagtataac gacctccaac aactgataca tacaatctcc tttccttcgt gttggacaac 120
 aacaatggcg gcgaaatcta gttcgagttc gacaacaaac gtggtgactc tgaaggcggc 180
 gtgggttctc ccgcagcgca cgcagaacat ccgtgaggtg tacgaggtgg ggcggaagtt 240
 ggggcagggt caattcggga ctaccttcga gt 272

<210> 43474
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040319H1

<400> 43474

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 gcgcggtggt gacacctcct gcctctacca aatcctatct ccttggtggc gcaggggtga 120
 gagggttgaa tattgaagaa gaatttgtaa agttcacggg aataggtgtt tatttggaag 180
 acaaggccgt gtcatcactc ggtgccaaat ggaagggcaa aagtgcagct gaattgctgg 240
 actcacttga cttctacaga gatatcatca aaggtccggt tga 283

<210> 43475
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040328H1

<400> 43475

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 ttttctaata atggcgaaag acgttgagca ggtcacagag caaggtgaat actccgcgaa 120
 ggactaccat gaccctctc cggcaccgtt gatcgacca gatgagctca caaagtggtc 180
 cttgtacaga gccgccatag ctgagttcat agcaacactc ctttttcttt acatcaccgt 240
 gttgaccatt attggctaca agagaca 267

<210> 43476
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040346H1

<400> 43476

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gaaatggcct accactcttc tcaaaattcc caacctgctc tccctatgca cctatgtttc 120
ttcttgctca ccttggtcat gttccttagt ttctcatttt actcaagcta cgagccaata 180
atggagagtt tcatggacca agtgaagttg gttctaattg tttctcccct tctgcttctg 240
ctagttgtgc acttcctttg caactatgg 269

<210> 43477

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701040356H1

<400> 43477

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tccagccgc cgccaagatg ctcgtcgagc tctccaagtc ccaggactcc gccgccggcg 120
acggcaccac caccgtcgtc gtcacgtctg ggcctcctc cgagcagtg ctcctcctcc 180
tttcccacgg catccacccc accgtcgtct ccgacgccct ccacaaggct gccgtcaagg 240
ccgtcgacgt tctcaccgcc atggccgtcc ccg 273

<210> 43478

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701040368H1

<400> 43478

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agtggacacc ggttccaatc ttttcacaac tatcactgtc aatgagcctg ctctgggtct 120
caagactatt tttagcttta gagttcctga tcaaaggctt ggaaagggtg aagtccagta 180
cttgcacgac tatgctggaa taagcaccag tgtgggttta acagcaaacc caattgtcaa 240
cttctccggc gttgtaggaa ctaatgtact tgcctt 276

002220" ETTES60

<210> 43479
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701040576H1

<400> 43479

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ccccatcgcc tccgtgtacg gcgcttctct ccttcctttt cttcctcctc acggtggtgg 120
gcccgggtctc ggtctcggca tggcgggcgt ggccccagaa aaacaatatg aacaccaccg 180
attacgcctt cggggactcc aagaaatagc aggggtcctc ggagttcgtg aagctgaggt 240
accacatggg accggtcctc acgaccaa 268

<210> 43480
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701040578H1

<400> 43480

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aggatcatga aagctcaagc cctaaggagc aacagcatgg caggatacat gtcaagcaag 120
aagacaatgg agatcaaccc tgagaacca atcatggagg agctcaggaa gcgtgcggat 180
gctgacaaga acgacaaatc cgtgaaggac cttgttctgt tgctgttcga gactgctctt 240
ctcacttctg gtttcagcct tgacgaac 268

<210> 43481
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701040601H1

<400> 43481

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agaggagaag ggcaaggagc gagaagctca catgctatag ccatagtagc acagaaggtg 120

tatgcatttg gtggcgaatt cgtgccacgt gtccccgttg ataacaaact tcacgtgttc 180
gacctagaga ctttgacttg gtccgtggct gatgcatcag gggatgcccc accgccacgt 240
gtcgggtgtca caatggccgt agtgggagaa accatatatg 280

<210> 43482
<211> 276
<212> DNA
<213> Glycine max
<223> Clone ID: 701040633H1
<400> 43482

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accattcaca gtcttgaacc caatttcact ctttgacac caaacacctt ataagcctca 120
atttcacaac caaaaatgca aagttcaatc tcacaatctg agatttgcac cactgattac 180
cttctacccc aagaagttcc atctcaatct caatttcag atatgagcaa caataacata 240
ccaatgaacc ataccaacct tcaaatgcct caaatc 276

<210> 43483
<211> 265
<212> DNA
<213> Glycine max
<223> Clone ID: 701040638H1
<400> 43483

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gtgacaataa ctccgccgag aacgggtggc agagaagccg gctcagtcgc cggatatcgg 120
ttagctcgtc cagagcctct ttcacgtcca agcttcccga caaggctcgt tctggccttg 180
actccgagtc tcccttcgac gttgatctct cctccaccac cgccttaagc aaaggggaga 240
aagagtacta tgaaagacaa tttgc 265

<210> 43484
<211> 265
<212> DNA
<213> Glycine max
<223> Clone ID: 701040651H1

<400> 43484

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 tcatatgatt tttccatagg ggatgaaatg acccgagtga tttggaaact gataaaagat 120
 aagcttattt ttccttattt ggagctggat attaagtatt ttgaccttgg ccttcctcat 180
 cgcgatgccca ctaatgatag agttactatt gaaagtgctg aagctacact caagtataat 240
 gtagctatca aatgtgctac tataa 265

<210> 43485

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701040653H1

<400> 43485

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 cgactcaacc atgctattct tacataacta gggtaggag ttagggcggt cttatcgttt 120
 tcgctccgtt aattacaaca acggccaaca tggttgttct ttcgctttca cctcccagcc 180
 tctctaccgc tttcctcgca aagaaactgt ctccccaaga acacgcggtg aagctagcga 240
 cttttcgcaa caattcattt cgc 263

<210> 43486

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701040657H1

<400> 43486

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 tggaaattac cagcttgacc tcaatttcta tgatagatca tgcccaaatt tgcaaaggat 180
 tgttggatat ggtgtttggt tagccttaaa aaatgacaac agaatggccg cgtccctcct 240
 tcggttgacac tttcacgatt 260

<210> 43487
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040667H1

<400> 43487

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 aagcttattt ttccttattt ggagctggat attaagtatt ttgaccttgg ccttctcat 180
 cgcgatgcca ctaatgatag agttactatt gaaagtgctg aagctacact caagtataat 240
 gtagctatca aatgtgctac tat 263

<210> 43488
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040679H1

<400> 43488

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 aaggacttca atttggccaa gcaccctgag atcgacgtgc cgaatctgca ggtgattaag 180
 ctgatgcaga gtttcaagtc tcgcgagtac gtgagagaaa cttttgcttg gatgcactat 240
 tactggttcc tcaccaa 257

<210> 43489
 <211> 195
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701040708H1

<400> 43489

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 ctcaactttg atgaagtcaa tgtcccacaa tccaaaaaag tcctattcta ccgcattcac 120
 aaggcacttt gccaaaaaat ctggtttttt gatcaagatc atggcttctg ctacacctac 180

agcagctgct atcac

195

<210> 43490
<211> 192
<212> DNA
<213> Glycine max

<223> Clone ID: 701040710H1

<400> 43490

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aagatcagag aggagtatcc tgacaggatg atgcttactt tctccgtttt tccttcgccc 120

aaggctccg acactgttgt tgagccttat aacgctactc tctctgttca ccagttggtg 180

gagaatgctg at 192

<210> 43491
<211> 193
<212> DNA
<213> Glycine max

<223> Clone ID: 701040724H1

<400> 43491

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ggtcgggctta atctcctact tgtgtggtca ctctctttaa cacttttctt taattatcta 120

cacccaacct ctgccagct cagtccaaac cactatgcta acatatgcc caaccttgaa 180

agcatcgcta gac 193

<210> 43492
<211> 191
<212> DNA
<213> Glycine max

<223> Clone ID: 701040725H1

<400> 43492

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191

<210> 43493
<211> 193
<212> DNA
<213> Glycine max

<223> Clone ID: 701040736H1

<400> 43493

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accggcaaga ccatcaccct tgaggtggaa agctctgaca ccatcgacaa cgtcaaggcc 120

aagatccagg acaaggaagg aatccccccg gaccagcaac gtctcatttt cgccggaaag 180

caacttgagg acg 193

<210> 43494
<211> 190
<212> DNA
<213> Glycine max

<223> Clone ID: 701040738H1

<400> 43494

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gaagcgtgtt gtattctaca ctgtgggaga gtaccttctc ttggctgctg ttagtgact 180

gcaagtcata 190

<210> 43495
<211> 188
<212> DNA
<213> Glycine max

<223> Clone ID: 701040745H1

<400> 43495

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gtgcaagttc cacggtggag gggctgaacg tggttggtga ctgcgaaccc aagtgttctc 180

agggggttg

188

<210> 43496
<211> 189
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<223> Clone ID: 701040747H1

<400> 43496

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gaaaaccttt ctatccttgt cgcgtgtgca tttggtctca gggctggcaa catgcatatt 180
ctgcacatg 189

<210> 43497
<211> 192
<212> DNA
<213> Glycine max

<223> Clone ID: 701040750H1

<400> 43497

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gcttcacgc tgagaagaga tgcgctctc taatgctccg tttggcatgg cactctgctg 180
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<223> Clone ID: 701040751H1

<400> 43498

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190

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<223> Clone ID: 701040756H1

<400> 43499

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atcaaacatc acagctggta ataaacagca gattcaggct gtgattgagg ctaatcta 180
tgctccttt 189

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<223> Clone ID: 701040758H1

<400> 43500

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tgagagatgt gtttgggcaa gctatggggc ttagtgaccg agatatcgtt gctctgtctg 180
ggggt 185

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<223> Clone ID: 701040769H1

<400> 43501

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ccggtcaatt agagaagaag agttcaccaa tcttgtcaaa atgggttggtt cacatgaagg 180

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187

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<213> Glycine max

<223> Clone ID: 701040774H1

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aatttcaatc tgcgggagta ctgggagcaa aggcttcaga tggagagggt agagagggtt 180
aagc 184

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<212> DNA
<213> Glycine max

<223> Clone ID: 701040787H1

<400> 43503

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tgttcatcat cgccttcaac gccctgacct tgaagacgat gagaaccaac aagaccaaga 180
caac 184

<210> 43504
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<212> DNA
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<223> Clone ID: 701040788H1

<400> 43504

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gcagggagag atcagatgca attgcagaag ggtcaactag ttggattgca aggtctggat 180

tacaat

186

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<223> Clone ID: 701040791H1

<400> 43505

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 ac 182

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<223> Clone ID: 701040838H1

<400> 43506

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 aaggcgatcg agaaaggcaa catggacggc gctcgaatct acgcggagaa cgcgatccgt 180
 aagcgcacgg agcagatgaa ctac 204

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<223> Clone ID: 701040850H1

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 gtggggcctt accaaatggg aagagtatag cttgttacct tcagctcaaa tactcttcaa 180

aattgagcac actgatgttc cactta

206

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<223> Clone ID: 701040855H1

<400> 43508

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ggaagctgag gagaaagcca acgagatctc tgtatctgcc gaagaggaat tcaatatcga 180

gaagctgcag ttggttgaag c 201

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<223> Clone ID: 701040858H1

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ttacccttc agtctccggg aaggtgtacc aactgcagtt tctcatggtc tttggctcaa 180

catcccagat tacgatg 197

<210> 43510
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<212> DNA
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<223> Clone ID: 701040869H1

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gatggcaaca caatcagcta tagttcttat gagatgttgg cgggtcacgt gtggcgaagt 180

gtaagcaaag caagagcact t

201

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<223> Clone ID: 701040896H1

<400> 43511

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gattcgcaca aaatgggtga ttgtaaaaat gggttctaag ggttcaattc ttataacagc 180
atcgagtgtg gcttgtg 197

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<223> Clone ID: 701040907H1

<400> 43512

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gctgaagaca tcatcaaaga acaagtcaag cttctctaca agcgccacaa gaacactgct 180
ttctctggc tcagaaacat cttccatgac tgtgctgttc agagttgtga tgcttcactg 240
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<211> 287
<212> DNA
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<223> Clone ID: 701041006H1

<400> 43513

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aaccttgcac gagaattgat ggcgccaatc ctgcagagct ctcagccatg ggtcgagaaa 180
 taccggccaa agcaagtgaag agatgttgcc caccaagatg aagttgttcg agtactaaca 240
 aacacccttg aaacttgccc ccacatgctc ttctatgggc ctctctgg 287

<210> 43514
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041023H1

<400> 43514

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 ccataggcat aaagcacaag aaaaccctaa gccacttcag attctactgg cacgaagtct 180
 tcagcggaga aaacccacaca tcggttagaa tcattcccg c actccccaaa tacaacacaa 240
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<210> 43515
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<223> Clone ID: 701041062H1

<400> 43515

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 cgagcacatt gagggctgca acatcaggcc aggccttccc acaatgtgtg tttgatcact 180
 gggacatgat gtcttctgac ccattggagg ctggatcaca agctgcacag cttgtcactg 240
 acattcgcaa gaggaagggc ttgaaggaac agatga 276

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<223> Clone ID: 701041138H1

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 ac 242

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 tggtcacacc ctacaacgaa gccttacttc caaaaaaact attccctct tctccaaacg 180
 cttctctcc ccgaacctca gttcccgaac ccgaagcaaa acaggctcgt atccatggta 240
 a 241

<210> 43518
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 <223> Clone ID: 701041189H1
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 ccagaattag ccaagactta cttgagctta aagatggaac tggaagaact gatacagaaa 180
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<210> 43519
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<212> DNA
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<223> Clone ID: 701041262H1

<400> 43519

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 aattcgccac gcttcttcgc agacggcgag gtttctgatc gcctgcgcca ccgaaaattc 180
 cgacgacttg attcgccaac tcgtttctga tctccactcc tcttccatcg actatca 237

<210> 43520
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<223> Clone ID: 701041301H1

<400> 43520

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 aggcaatcta cgacatttgc aggagatctc tgacatcgaa cgccctacct acaccaacct 180
 gaaccgtctc gtttcccagg tgatatcatc cctcactgcc tctttgaggt ttgatggagc 240
 actgaatggt gatgtga 257

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<223> Clone ID: 701041310H1

<400> 43521

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 ttgactatct cgctttcgcg ttgcatggcc cggcacttac tgcaaacgca cccgcagttg 180
 ctgccccacc aacggttgct gcagaggctc caattttcca acagtgttca ccatacatgg 240
 actctggc 248

<210> 43522
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<223> Clone ID: 701041312H1

<400> 43522

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 cggggcggcg gagcggaggt tgcttaggtg aacagcagcg aaacaacgct ggacgctgtg 180
 gtggcgcagg acggtagcgg acagttcagg acgatcgggtg aggcgctgaa attagtgaag 240
 aagaagagc 249

<210> 43523
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<223> Clone ID: 701041324H1

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 gattcttctt cttccgaatc agagaagtct ggatttcttg ttgaagatgc gacgctcttc 180
 tgcattcaaa aagacgggtc aatccaattc caccctccatc gccgcgcatc tcttccgctc 240
 cgcttcaag 249

<210> 43524
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gcattgccag ttataaagtc agggttcaac gagcaattat ccgtgagcga cgcacgcgag 180
catctctttct gcgcttgcat ttccatgatt gtttcgtaaa tgggtgtgat ggatcaatat 240
tgcta 245

<210> 43525
<211> 246
<212> DNA
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<223> Clone ID: 701041343H1

<400> 43525

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tctctgtttt tcgaacgctt cggagaaaca tgtctctgtt tctgcccttc atcttcgggt 180
tctctgacgc cacctcagga cgagatagcg acgaccaga tcacgaaact gctcacacag 240
aagggt 246

<210> 43526
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<223> Clone ID: 701041354H1

<400> 43526

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ccaacatgga aaatggtgca gcttttccag gcagaggagt aattatgtcc tttctcaaca 180
acagaagcgc aacctcaaat ctcagccagc agtgtaccat gagattagge tgccacagga 240
gtggacat 248

<210> 43527
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<223> Clone ID: 701041355H1

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 ccaggaatta gtgcctcccc ttcgaagaga atatgcgata tttcaatgtg atgatccttg 180
 ggccaaccca gtcgccttat gaaggaggag ttttcaagtt agaactatct ttgccagaag 240
 aatatcc 247

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<223> Clone ID: 701041364H1

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 ccaagggttca ctccattgtt cggaagtggg gaggaacgtt tccaagaaag atccccgcat 180
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 agttttgtt 249

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<223> Clone ID: 701041395H1

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 cgagaactac gaaaagggtc tgattatcca ccattctcta acatcagaga aatttcagct 180
 aacatagcag caagtgtagc tggcaaggca tatgagctag gcttggctac tcgtctccct 240
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<223> Clone ID: 701041402H1

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<223> Clone ID: 701041408H1

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aattttcgtgta gcttgaagga taggaataat ttccggtagt tgtttattaa ttttggatta 240
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 <223> Clone ID: 701041425H1
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 ttattcatca acgtcccccc ttctgtgccc acttccaaat cttctcctct cgctatgggt 180
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 <213> Glycine max
 <223> unsure at all n' locations
 <223> Clone ID: 701041452H1
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 accactttca gccccacaa antggatgaa tgatccaaat ggaccaatgt actacaaagg 180
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<400> 43535

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 atcgacaacg tcaaggccaa gatccaggac aaggaaggaa ttcccccgga tcagcaacgt 180
 ctcatcttcg ccgaaagca gctcgaggac ggccgtaccc tcgccgacta caacatccag 240
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<210> 43536

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701041513H1

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 tacagatgcc gacaacgtca tcccaaaggc tgttgatgcc ttcaggagtg ttgaaaacct 180
 tgaggggaac ggtggccctg gaaccatcaa gaagatcact ttcgttgagg atggagaaag 240
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<210> 43537

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701041515H1

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 ggtcttagag agtcaagttt tatgtctgga ttagacgata aaattcctac tgccttcgat 180
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<210> 43538

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<400> 43539

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<400> 43540

17485

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274

<210> 43541
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<212> DNA
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<223> Clone ID: 701041526H1

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<223> Clone ID: 701041527H1

<400> 43542

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tcacacgaca ccattttgac acggttaaaa cccaaagttt cagtatatcg aaataaaagt 120
agacatttgt ttttc 135

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<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701041535H1

<400> 43543

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acccttactt cgaagtgcgc aagattcttg ctcaaaaggg tcactttggt accttcataa 180

acagcccaaa aaacattgac cgcatgcccc aaaccccgaa acacttagaa ccattcatca 240
 aactcgtgaa gctacccttg ccaaaaatag agcatctc 278

<210> 43544
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041536H1
 <400> 43544

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 cgctcttgct atgaagagtg gaaaattcac ctcggttac aagacgggtc tcaaatcact 180
 taggagctcc aaagggaaat tgattatcat tgctaacaac tgccccctt tgaggaagtc 240
 agagattgaa tactatgcta tgttggccaa ggttgg 276

<210> 43545
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041544H1
 <400> 43545

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 gtcttcttgg gtgaccaatc cgtgggcaaa accagcatca tcaactcgctt catgtacgat 180
 aaattcgata acacctatca ggctacaatt ggtattgatt ttctatcaaa aactatgtat 240
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<210> 43546
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041553H1
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 taatgggtgat actggaatca gaataaggac tcgtcatgga agaaatgaac agccaaacat 180
 gaacatgatg atacaatcac aaggtattgc accaaggaga atacgattgg gagttgttag 240
 gcgtccgctt ggttctcagg agacagcaaa a 271

<210> 43547
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041554H1

<400> 43547

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 ttttcacttg ttgctccgca ctcttttctt tcatccagac tagcagggtt acctggagtc 180
 aaagcatcat tgcttgaaga gtacggcatt cgtttgggtca catatgatct tcctgggttt 240
 ggggagagtg atcctcatcc caacagaaat 270

<210> 43548
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041566H1

<400> 43548

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 agctaaggaa ctattggttg gaggcaaaat agatgcttgg aagattccat cttctgaatc 180
 agattccctc aatcaatggg ctgaaagggtc tcgtttcaga gtcggcgatc atcttgtgtg 240
 gaaatatgag aatgggaagg actcagtgtt g 271

<210> 43549
 <211> 263
 <212> DNA

<213> Glycine max

<223> Clone ID: 701041576H1

<400> 43549

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 gcgtggccgc aacctcgccg cgcaggaact atggtctgag cttgaccctt tctctgactt 180
 ccttggtctc gataccacca attccaaaaa ccaaccaccc ctgcagaaaa ttccagacaa 240
 aaaagtgggtg tcatcatgtg aga 263

<210> 43550

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701041587H1

<400> 43550

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 accctagtcc tctgcaagat ttttgtgtgg cagccaaaga aaaagatggt gtatttgtga 180
 acgggaaatt ctgcaaggac cccaagcttg tcaaagcaga agatttcttc agacatgtgg 240
 aacctgggaa aactgacaac cca 263

<210> 43551

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701041593H1

<400> 43551

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 ccgtagaaat gaccgagaag cttctgaggg cagggatgaa cgttgctcgt ttcaatttct 180
 ctcatggcac ccacgactat caccaggaaa ccctcaacaa tctcaagact gccatgcaca 240

acactggcat actctgtgcc

260

<210> 43552
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701041594H1

<400> 43552

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gctccggcca ccggcggagt gaagaagccc caccgcttca ggcccggaaac ggtggctctg 180
agggagatca gaaagtacca gaagagcact gaacttctga tccgaaaact cccattccag 240
aggctcgtca gagaaatcgc tc 262

<210> 43553
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701041612H1

<400> 43553

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accttccgaa ttccaacgat ttcgatgggt ttgtgaaaga agctattcag atggtgaagc 180
ccgcgaaggg tactacgact cttgctttta tatttaagga ggggtgttatg gtagctgctg 240
attctcgagc tagcatggga ggatatata 269

<210> 43554
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701041614H1

<400> 43554

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caagtgggag ttttcttaaa aagcaaatca gcaaatggga tccttctcta ttcattcaat 120
 ttgatatggt tttcccagat ggtaaatacc ctgctggagg gaagtctgac atagaaggca 180
 tcttccctcc accttactat gagtggtttc aattcgaaaa ggacttcaca gtgtacttta 240
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<210> 43555
 <211> 271
 <212> DNA
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<223> Clone ID: 701041621H1

<400> 43555

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 aaggttactg cttctgaaat taagaagctt cagtcaactg atcttccaaa tttgataagc 180
 tttcgccag aataaatcag gagaataaga gaattctgtt atctgcctgt tgaacaattc 240
 tctgtacata tttatggcta ctgtttggat a 271

<210> 43556
 <211> 269
 <212> DNA
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<223> Clone ID: 701041636H1

<400> 43556

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 gatgtcctag aacctggatg tcattgcctg ccttggtgtc ttgggtacca gattgctggc 180
 agtttgtcac tgcgtgtgca gcaacttgat gttcgtatgtg agacgaaaac caaggacaat 240
 gtctttgtca ctgtggttgc atctgtgca 269

<210> 43557
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<223> Clone ID: 701041639H1

<400> 43557

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tatgccttag tggtagcat ggagaacatc actctcaact ggtatcttgg caacaacaga 180
tcaatgctag tctcaaattg tctattcaga atgggtggag ctgcagtcct cctctccaac 240
aagtcttctg atcgagaag agcca 265

<210> 43558

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701041644H1

<400> 43558

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ggttgctatc aagttgatca gtcaaattg gctatcaagg agcattttgg aaaatttgat 120
gatgtcctag aacctggatg tcattgcctg ccttggtgtc ttgggtacca gattgctggg 180
agtttgtcac tgcgtgtgca gcaacttgat gttcgatgtg agacgaaaac caaggacaat 240
gtctttgtca ctgtggttgc atc 263

<210> 43559

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701041647H1

<400> 43559

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tatgccttag tggtagcat ggagaacatc actctcaact ggtatcttgg caacaacaga 180
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aagtcttctg atcgagaag agccaaata 269

<210> 43560
 <211> 265
 <212> DNA
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<223> Clone ID: 701041654H1

<400> 43560

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 aattactatt tgttgacatg tcccaagctt gagaggatta taaggaagca tcttgaggat 180
 gtcttcgaga aggacagtgg agtagctcct ggcatacttc gactcttctt ccatgactgc 240
 tttccta atg gatgcgatgc gtcta 265

<210> 43561
 <211> 261
 <212> DNA
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<223> Clone ID: 701041661H1

<400> 43561

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 agtggttaat gggtgcctcg aaactggccg aacagacaag attgaagggg gagcgtgtga 180
 acaaccttga tctttcaaag ggacccattg aaacaaggtc aagggataaa tttgggttcc 240
 aggaagagaa caaatttgat t 261

<210> 43562
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 <212> DNA
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<223> Clone ID: 701041686H1

<400> 43562

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atctacacgc cgatggtggt tttggccggg tctttcatag atctggtgcg tagaggctca 180
gatctacggt accgaggtac aacagagaat cgatgacaag aacgcagatc cgacggtaga 240
tccagccgat tccgcttgtt 260

<210> 43563
<211> 208
<212> DNA
<213> Glycine max

<223> Clone ID: 701041705H1

<400> 43563

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ttatgatact gagaaagttg gggggcctga aatttggcat ctacagctat cagattgcta 120
tatttgttgt tttgttttagc aaaagactgc agcatgtcac tacaaatttt gctgtttgta 180
agacgattga attgaaattc tttccttt 208

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<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701041721H1

<400> 43564

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tgaatatgta agagagaatg agattaagga tgcattggctt gataatgttg aagttgatcc 180
aaaatatgct gcattaagct ctgtagcaac aaatgatgaa gatgagggcc cccagacct 240
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<210> 43565
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<212> DNA
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<223> Clone ID: 701041723H1

<400> 43565

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<210> 43566
 <211> 275
 <212> DNA
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<223> Clone ID: 701041734H1

<400> 43566

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 gaacagtggg taattagcca cggcaatttc caaagagttt tcattggagg tgacagtgca 240
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<210> 43567
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 <212> DNA
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<223> Clone ID: 701041741H1

<400> 43567

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 tgcaggcatc gcgggcaagg ctgttcaagg agtaciaaaga ggtgcagcgg gaaaaggctg 180
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<210> 43568
 <211> 268
 <212> DNA

<213> Glycine max

<223> Clone ID: 701041758H1

<400> 43568

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ccttttcaat ctacggcgac atcggtgaat cgaaggttat caacgaccgt gagactggaa 180
gggccagagg attcggatgt gtgaccttcg cctcagagca gtcaatgaaa gatgcgatcg 240
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<210> 43569

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701041761H1

<400> 43569

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<210> 43570

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701041763H1

<400> 43570

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ttcttgggga agaggcacia atgggcaact tgggcatggg gataccgttg accggaattc 240

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271

<210> 43571
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701041771H1

<400> 43571

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atatgcttta tatggcatta cagatttagc cacataacaa aggggtgaaga tggaaactgg 180
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gcccttagat ggaaccttgt gttcaga 267

<210> 43572
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701041775H1

<400> 43572

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<210> 43573
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<212> DNA
<213> Glycine max

<223> Clone ID: 701041780H1

<400> 43573

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<210> 43574
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041795H1
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<210> 43575
 <211> 279
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 <213> Glycine max
 <223> Clone ID: 701041841H1
 <400> 43575

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 tgcaggcatc gcgggcaagg ctgttcaagg agtaciaaaga ggtgcagcgg gaaaaggctg 180
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<210> 43576
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041859H1

<400> 43576

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 tgttgtttga aagtcacaag caatgggtgaa ggacactgcg tattatgaca tattaggtgt 180
 caattatgat gcatctgctg cagagatcaa gaaagcttat tatgtcaagg ctagaattgt 240
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<210> 43577

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 701041903H1

<400> 43577

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 acgctaaggc taacggtaac ggtaacagcg ggtgaagga ggtgcatttt cgtggagtga 180
 gaaagaggcc gtgggggaga tacgccgcgg agatcagaga tcccggcaag aagagccgcg 240
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<210> 43578

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701041934H1

<400> 43578

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 gcactagcag tgttgtttat tgggtttcta gcatgggctt atcaggttat tcaacctccc 240
 cctcccaaga tatgcggcac tctgatgga ccacctataa 280

<210> 43579
<211> 161
<212> DNA
<213> Glycine max

<223> Clone ID: 701041970H1

<400> 43579

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ctcgacactt tgcttgaatt cgctgaggac gagaccatgg a 161

<210> 43580
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701042011H1

<400> 43580

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gaggaaatgg acacttttcc aaccacaaag agctttgata tcgttcgttg gaggtatgat 180
aggttgagaa gtctggcagg gaaggttcag agtgttggtg gacagatagc aactcaagga 240
gaaagaatcc atgctcttat aaattg 266

<210> 43581
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042015H1

<400> 43581

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aggtttctgc acgagccgat gtgggaccca cggttcttcc tcagcgggcc atgcaaagaa 180
caagaactac aagttcgcac acatatgggt tgggaattcg gaggcccaat gcccgggcca 240